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SMITHSONIAN INSTITUTION

MEMORANDUM: ....., 190

Gift to the
Museum of
from Mr
Rufus H
Clark.

CATALOGUES

OF THE

ANIMALS AND PLANTS

OF

Massachusetts.

WITH A COPIOUS INDEX.

AMHERST:
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NOTE.

It will be seen that the following pages are copied from the second edition of Professor Hitchcock's 'Report on the Geology, Botany and Zoology of Massachusetts,' made to the Government of that State. Most of the Catalogues have been greatly enlarged and corrected—some of them nearly doubled—by their original authors, since they were first printed: And they are now rendered so complete and extensive, that the Publishers have presumed an impression of them in the present form, would be acceptable to many in our intelligent community, who might not find it convenient to procure the whole Report.

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A CATALOGUE

OF THE

ANIMALS AND PLANTS

IN

MASSACHUSETTS.

To His Excellency Levi Lincoln, Esq.
Governor of Massachusetts.

In executing the part of my commission which directed me to furnish catalogues 'of the native mineralogical, botanical and zoological productions of the Commonwealth,' I have been greatly dependant upon the assistance of several gentlemen distinguished for their acquaintance with particular branches of natural history. Their names will be found prefixed to the catalogues which they have furnished. And I take this opportunity to testify to the prompt and liberal manner in which they have executed this difficult task. I ought also to remark, that the catalogues which follow, being for the most part the first that have been attempted in this quarter of the country, cannot be supposed perfect or complete. They are sufficiently so, however, to furnish a great amount of new and valuable information respecting the organized beings found within the limits of the State.

In respect to the minerals of the State, I have found it more convenient to give an account of them in describing the several rocks in which they occur, and also in the Tabular View of the rocks appended to the Atlas; and I judge it wholly unnecessary to repeat the list in this place.

Respectfully Submitted,

Edward Hitchcock.

Amherst College, October 1. 1833.

ANIMALS IN MASSACHUSETTS.

I.—MAMMALIA:

OR ANIMALS WHICH SUCKLE THEIR YOUNG.

In preparing the following Catalogue of our mammiferous animals, I have been permitted to make free use of notes kindly furnished by Dr. T. W. Harris; a gentleman so well known as an accurate zoologist, that the value of this Catalogue would have been much enhanced, could he have been persuaded to make it entirely his own.

ORDER I.—CARNASSIERS.

Vespertilio.
- pruinosus, Say. *Hoary Bat.*
- noveboracensis, Linnaeus. *Red or New York Bat.*

Sorex.
- brevicaudus, S. *Short tail Shrew.*

Scalops.
- Canadensis, Cuvier. *Mole.*

Condylura.
- cristata, Desmarest. *Star-nose Mole.*
- macroura, Harlan. *Thick-tailed star-nose Mole.*

Ursus.
- Americanus, Pallas. *Black Bear.**

Procyon.
- lotor, L. *Raccoon.*

Gulo.
- luscus, L. *Wolverene.*†

Mustela (Putorius.)
- vulgaris, L. *Weasel*‡
- erminea, L. *Ermine*‖
- Canadensis, L. *Fisher Weasel.* (Dr. Emmons)
- ?martes, L. *Pine Martin.*
- vison, L. (lutreola, Harlan and Godman.) *Mink.*

Mephitis.
- Americana, Desmarest. *Skunk.*

Lutra.
- Canadensis, Sabine. (Brasiliensis, Harlan and Godman.) *Land Otter.*

Canis.
- (Lupus) occidentalis, Richardson. *Wolf.*

* The long-legged variety is most common on Hoosic mountain, but the short-legged variety has been killed there according to Dr. Emmons.

† On Hoosic mountain rare—Dr. Emmons.

‡ The Weasel becomes white in the winter like the ermine, from which it is not distinguished by hunters.

‖ The ermine in its summer dress, greatly resembles the weasel.

Canis.

(Vulpes) fulvus, D. *Red-Fox.*
Virginianus, Gmelin. (cinereo-argentatus, Say and Godman.) *Gray-Fox.*

Felis.

? concolor, L. *Cougar, Panther, Painter or Catamount.*
Canadensis, Geoffrey. *Lynx, or Wild-Cat.*

Phoca.

vitulina, L. *Common, or hair-Seal.*
cristata, L. *Hooded Seal.*

ORDER II.—RODENTIA.

Castor.

? fiber, L. *Beaver.*

Fiber.

zibethecus, L. *Musquash.*

Arvicola.

? Pennsylvanica, Ord. *Meadow-Mouse.*

Mus.

decumanus, Pallas. *Common Brown, or Norway-Rat, Wharf-Rat, Water-Rat.*
rattus, L. *Black-Rat.*
musculus, L. *Mouse.*
? leucopus, Rafinesque. (agrarius, Godman.) *Field Mouse.*

Gerbillus.

(Meriones) Canadensis, D. *Jumping Mouse. Deer Mouse.*

Arctomys.

monax, Gmelin. *Woodchuck.*

Sciurus.

cinereus, L. *Cat Squirrel.*
Carolinensis, Gmelin. *Gray Squirrel.*
niger, L. *Black Squirrel.*
Hudsonius, Gmelin. *Chickaree or Red Squirrel.*
(Tamias) striatus, Klein (Lysteri, Ray, and Richardson) *Striped or Ground Squirrel.*

Pteromys.

volucella, L. *Flying Squirrel.*

Hystrix.

pilosus, Catesby. (dorsata L.) *Porcupine.*

Lepus.

Americanus, Gmelin. *Rabbit, or Hare.* *
Virginianus, Harlan. (variabilis, Godman) *Varying Hare.*

ORDER III.—RUMINANTIA.

Cervus.

Virginianus, Gmelin. *Common or Fallow Deer.*

ORDER IV.—CETACEA.

Delphinus.

Delphis, L. *Grampus or Porpus.* †
(Phocæna) gladiator, Lacepede. *Killer, Sabre-finned Dolphin, or Sword Fish.*

Balæna.

mysticetus, L. *Common Whale.*

Note.—It is doubtful whether the animals, to the names of which this character (?) is prefixed, do now exist within the limits of Massachusetts: all of them, however, except Mustela martes, Arvicola Pennsylvanica, and Mus leucopus, undoubtedly once had here a 'local habitation.'

* This animal is almost universally called a *Rabbit*, though it is, strickly speaking, a Hare, and never burrows like a Rabbit.

† Not unfrequently but improperly called Porpus. It is the true *Dolphin* of the ancients but not the Dolphin of Seamen, which is the Corphæna purpurea.

II.—BIRDS.

BY EBENEZER EMMONS, M. D.
Professor of Natural History in Williams College.

Explanations and Abbreviations.

‖ placed before a species denotes that it is a summer and winter resident.
¶ marks the rare species.
§ shews that it is a regular visitant, and breeds in this climate.
† shews that it is an occasional visitant.
L.—Linnæus. Briss. Brisson. Gm. Gmelin.
Lath.—Latham. Ill.—Illiger. Cuv.—Cuvier. Vieill.—Vieillot.
Temm. Temminck. Ranz.—Ranzani. Latr.—Latreille.
Wils.—Wilson. Bon.—Bonaparte.

SUB CLASS I.

Hind toe articulated on the same plane with the foretoes, and bearing on the ground the whole length, *formed for grasping*.

ORDER I.—ACCIPITRES.

Accipitres. L. Gm. Lath. Cuv. Vieill. *Raptatores*, Ill. *Rapaces*, Temm. Latr. Ranz.

Falco.

‖¶ fulvus, *Ring-tailed Eagle.*
†¶ Washingtonianus, Aud. Winter.
‖¶ leuco cephalus, L. *Bald Eagle.*
† haliætus, L. *Fish Hawk.* Makes its visits up the Hoosic in the spring.
§ sparverius, L. *Sparrow Hawk.*
§ columbarius, L. *Pigeon Hawk.*
¶ palumbarius, L. *Goshawk.*
§ velox, Wils. *Slate-colored Hawk.* Common. Arrives March 20th.
¶ lagopus, L. *Rough-legged Falcon.*
‖ borealis, Gm. *Red-tailed Hawk.* Common. Prepares its nest early in March.
‖ hiemalis, Gm. Wils. *Winter-Falcon.*
† Islandicus,
† peregrinus,
† atricapillus, Wils.
† fuscus, Gm.
† sancti—Johannis, Gm. Winter.
luteoides, Nutt.
Harlani?
cyaneus, Lin.

Strix.

†¶ funerea, Gm. *Hawk Owl.* Autumn.
‖¶ Virginiana, Gm. *Great-horned Owl.* Inhabits the mountains.
§ otus, L. *Long-eared Owl.*
§ brachyotus, Gm. *Short-eared Owl.* Common.
¶‖ Acadica, Gm. *Little Owl.*
† nyctea, Lin. *Snowy Owl.*
‖ asio, L. *Little Screech Owl.*
†¶ cinerea, Gm. *Great Gray Owl.*
‖ nebulosa, *Barred Owl.*
‖ flammea, Lin. *Barn Owl.*

ORDER II.—PASSERES.

TRIBE I.—SCANSORES.

Family Amphiboli.

Coccyzus, Vieill Temm. Ranz. Cuv.
Cuculus, L. Briss. Gm. Lath. Ill.
§ Americanus, Bon. *Yellow-billed Cuckoo.*

Cuculus.

§ erythrophthalmus. *Black-billed Cuckoo.*

Family Sagittilingues,

Picus, L. Briss. Gm. Lath. &c.

§ auratus,L. *Golden-winged Woodpecker.* Common.—Arrives about April 10. and migrates south in Oct.

‖ pileatus, L. *Pileated Woodpecker.*

§ erythrocephalus, L. *Red-headed Woodpecker.*

† Carolinus, L. *Red-bellied Woodpecker* * Common near Rochester N. Y.

§ varius. L. *Yellow-bellied Woodpecker.*

‖ villosus, L. *Hairy Woodpecker.*

‖ pubescens, L. *Downy Woodpecker.*

TRIBE II.—AMBULATORES.

Family Angulirostes, Ill.

Alcedo, L. Gm. Lath.

§ alcyon, L. *Belted King Fisher.*

Family Gregarii.

Sturnus, L. Briss. Gm.

§ Ludovicianus, L. *Meadow Lark.* Arrives abut March 13th.

Icterus, Briss. Temm. Ranz.

§ Baltimore, Dand. *Baltimore Oriole.*

§ spurius, Bon. *Orchard Oriole.*

§ Phœniceus, Dand. *Red Winged Starling.* March 20th.

§ pecoris, L. *Cow Banting.*

§ agripennis, Bon. *Rice Banting.*

Quiscalus, Vieill.

§ versicolor, Vieill. *Purple Grakle.*

ferrugineus, Bon. *Rusty Grakle.*

† baritus, Bon. *Black Oriole.*

Corvus. L. Gm. Lath. Cuv.

‖ corone, L. *Crow.*

corax? *Raven.*

‖ cristatus, L. *Blue Jay.*

Family Sericati.

Bombycilla, Briss. Ill.

§ Carolinensis, Briss. *Cedar Bird.*

Family Chelidones.

Caprimulgus, L. Briss. Gm. Lath.

§ vociferus, Wils. *Whip-poor-will.*

§ Virginianus, Briss. *Night-Hawk.* Arrives March 20th.

Cypselus, Temm.

§ pelasgius, Temm. *Chimney Swallow.*

Hirundo, L. Briss. Gm. Lath.

§ purpurea, L. *Purple Martin.*

§ rufa, Gm. *Barn Swallow.* Arrives April 20th.

§ fulva, Vieill. *Rocky Mountain Swallow.* Common.

§ riparia, L. *Bank Swallow.*

bicolor, Vieill.

Family Canori, Ill.

Muscicapa, Briss. Ill. L. Gm.

§ tyrannus, Briss. *Tyrant Fly-Catcher.* Arrives between 1st and 12th May.

§ crinita, L. *Great crested Fly-catcher.*

§ fusca, Gm. *Pewit Fly-catcher.* Arrives March 20th.

§ virens, L. *Wood-Pewee Fly-catcher.*

§ ruticilla, L. *American Fly-catcher.* Common.

‖ Cooperi, Nutt. *Olive Sided Fly-catcher.*

* Takes the place of the P. auratus in the western part of the State of New York.

Icteria, Bon.

† viridis, Bon. *Yellow-breasted Chat.* First of September.

Vireo, Vieill.

§ gilvus, Bon. *Warbling Vireo.*
§ flavifrons, *Yellow-throated Fly-catcher.*
¶ noveboracensis, Bon. *White-eyed Fly-catcher.*
§ olivaceus, *Red-eyed Fly-catcher.* Common.

Lanius, L. Briss. Gm. Lath.

† septentrionalis, Gm. *Butcher Bird.* Late in Autumn.
† excubitoroides, Swainson. *American Gray Strike.* Winter.

Turdus, L. Briss. Gm.

† polyglottos, L. *Mocking Bird.* Very rare in the Spring.
§ felivox, Vieill. *Cat Bird.* Arrives between May 1st and 12th.
§ migratorius, L. *Robin.* Arrives March 10th.
§ rufus, L. *Ferruginous Thrush..*
§ mustelinus, Gm. *Wood-thrush.* Arrives May 1st to 12th.
§ minor, Gm. *Hermit Thrush.* Arrives May 1st to 12th.
Wilsonii, Bon. *Tawney Thrush.* Do. Do.
† noveboracensis, Nutt. Autumn.

Sylvia. Lath. Temm. Ranz.

§ aurocapilla, Bon. *Golden Crowned Thrush.* May 1st to 12th.
noveboracensis, Lath. *Water Thrush.*
† coronata, Lath. *Yellow-rump Warbler.* Passes north in the Spring, returns in Sep.
virens, Lath. *Black-throated Green Warbler.*
¶§ Blackburniae, Lath. *Blackburnian Warbler.* Mountain.
¶ icterocephala, Lath. *Chesnut-sided Warbler.* Do.
§¶ castanea, Wils. *Bay-breasted Warbler.*
striata, Lath. *Black-poll Warbler.*
§¶ varia, Lath. *Black and White Creeper.* Mountain.
§¶ tigrina, Lath. *Blue Mountain Warbler.*
§ æstiva, Lath. *Blue-eyed Yellow Warbler.*
§ Americana, Lath. *Blue Yellow-back Warbler.*
†¶ Canadensis, Lath. *Black-throated Blue Warbler.*
¶ agilis. *Connecticut Warbler.*
† autumnalis, *Autumnal Warbler.* Returns from the North in Oct.
† petechia, Lath. *Yellow red-poll Warbler.*
§ maculosa, Lath. *Spotted Warbler.*
† pardalina, Bon. *Canada Warbler.*
† auricollis? *Orange-throated Warbler.*
§ pinus, Lath. *Pine Warbler.*
§ trichas, Lath. *Maryland Yellow Throat.*
† trochilus, Lath. *Yellow Titmouse.*
§ sphagnosa Bon.
solitaria? *Blue-winged Yellow Warbler.*

Certhia.

§ familiaris, Lin. *Brown Creeper.*

Saxicola, Temm. Ranz.

§ sialis, Bon. *Blue Bird.* Ar. about Mar. 10.

Regulus, Vieill.

§ cristatus, Vieill. *Golden crested Wren.*

Troglodytes.

§ ædon, Vieill. *House Wren.*
§ brevirostris, Nutt. *Short billed Marsh Wren.*

Family Tenuirostres.

Sitta, L. Briss. Gm. Lath.

§ Carolinensis, Briss. *White-breasted Black-capped Nutach.*
§ Canadensis, L. *Red-bellied Nutach.*

Anthus.

spinoletta, Bon. *Brown or Red Lark.*

Alauda

alpestris, Lin. Wils. *Shore Lark.*

Family Anthomyzi.—Ranz.

Trochilus, L. Gm. Lath.

§ colubris, L. *Hummnig Bird,*

Parus, L.

‖ articapillus, L. *Black-capped Titmouse.*

Family Passerini.—Ill.

Emberiza, L. Briss. Gm.

† nivalis, L. *Snow Bunting.* Winter.

† Americana, Wils. *Black-throated bunting.*

Tanagra, L. Gm. Lath. Cuv.

rubra, L. *Scarlet Tanager.*

Fringilla, L. Temm. Ranz. Wils.

§ cyanea, Wils. *Indigo Bird.* Common.

¶ § Pennsylvanica, L. *White-throated Sparrow.*

§ graminea, Gm. *Bay Winged Bunting.* Common.

§ melodia. Wils. *Song Sparrow.*

‖ hiemalis. *Snow Bird.* Breeds in the mountains: common in the hedges in Spring and Autumn.

¶ passerina, Wils. *Yellow Winged Sparrow.*

† Canadensis, Lath. *Tree Sparrow.* Winter.

† socialis, Wils. *Chipping Sparrow.*

§ pusilla, Wils. *Field Sparrow.* Common.

§ tristis, L. *Yellow Bird, or Goldfinch.*

§ pinus, Wils. *Finch.*

†¶ linaria, *Lesser red-poll.* Winter.

† illiaca, Merrem. *Fow-colored Sparrow.* Winter.

leucophrys, Temon. *White-crown Bunting.*

ambigua, Nutt. *Ambiguous Sparrow.*

§ savanna, Wils. *Savannah Sparrow.*

† savannarum, Gm. *Savannah Finch.*

§ palustris, Wils. *Swamp Sparrow.*

§ maritima, Wils. *Sea-side Finch.*

§ juncorum, Nutt. *Bush Sparrow.*

§ erythrophthalma, L. *Towhe Bunting.*

¶ cardinalis, Bon. *Cardinal Grosbeak.*

§¶ rosea, Bon. *Rose-breasted Grosbeak.*

enucleator, Wils. *Pine Grosbeak.*

leucoptera, Gm. *White-winged Cross-bill.*

¶ purpurea, Gm. *Purple Finch.*

Loxia. Briss. L. Gm. Lath.

curvirostra, L. *American Cross-bill.*

Family Columbini.

Columba.

§ migratoria, L. *Passenger Pigeon.*

¶ Carolinensis? L. *Turtle Dove.*

SUB CLASS, II.

Hind toe articulated higher on the tarsus than the fore toes; incapable of grasping, or wanting.

ORDER III.—GALLINÆ.

Family Gallinacei.

Meleagris.

¶‖ gallopavo, L. *Wild Turkey.* Now become scarce and nearly extinct.*

Perdix, Bris. Lath. Ill.

§ Virginiana, Lath. *Quail.*

Tetrao, L. Gm. Lath. Ill. Cuv.

‖ umbellus, L. *Ruffled Grous.* Common.

§ cupido, Lin. Wils. *Pinnated Grous.*

* Frequently met with on Mt. Holyoke. E. H.

ORDER IV.—GRALLÆ.

Family Pressirostres.

Charadrius, L. Gm. Lath. Ill.

† semipalmatus, Bon. *Ring Plover.* A single specimen on the banks of the Hoosic.

§ melodus, Ord. *Ringed Plover.*

§ vociferus, L. *Kildeer Plover.* Appears about April 10th.

§ pluvialis, L. *Golden Plover.*

§ helveticus,

Calidris.

† arenaria, Ill. *Sanderling Plover.*

Strepsilas, Ill. Temm. Ranz.

§ interpres, Ill. *Turn-stone.*

Hæmatopus.

¶† ostraligus, Lin. Wils. *Red Oyster Catcher.*

Family Herodii. Ill.

Grus, Pallas. Ill. Cuv. Temm.

¶§ Americana, Temm. *Hooping Crane.*

¶ Canadensis, *Brown Crane.*

Ardea.

§ herodias, L. *Great Heron.*

§ alba, L. *Great white Heron.*

§ nycticorax, L. *Night Heron.* More common late in the Summer.

cœrulea, L. *Blue Heron.*

minor, Wils. *American Bittern.*

§ virescens, *Green Heron.*

¶ exilis, *Least Bittern.*

Recurvirostra.

Americana? *American Avoset.*

Ibis.

falcinellus, Vieill. *Glossy Ibis.*

Family Limicolæ.

Numenius. Briss. Lath. Ill. Cuv.

§ longirostris, Wils. *Long-billed Curlew.* Rarely on the Hoosic.

† Hudsonicus, Lath. *Esquimaux Curlew.*

borealis, Lath.

Tringa. L. Lath. Gm.

§ semi-palmata, Wils. *Semi-palmated Sandpiper.*

alpina, L. *Red-backed Sandpiper.*

pectoralis, Bon. *Pectoral Sandpiper.*

§ pusilla, Wils. *Little Sandpiper.*

§ Schinzii, Bon. *Schinzii's Sandpiper.*

rufescens, Vieill. *Buff-breasted Sandpiper.*

minuta? *Pigmy Sandpiper.*

Wilsonii, Nutt. *Wilson's Sandpiper.*

cinerea, Lin. Wils. *Ash-colored Sandpiper.*

Himantopus. Briss. Ill. Cuv. Temm.

nigricollis, Vieill. *Long-legged Avocet.*

Totanus. Cuv. Temm. Vieill. Ranz.

melanoleucus, Vieill. *Tell-tale Godwit.*

¶ macularius, Temm.

§ semipalmatus, Temm. *Willet.*

§ flavipes, *Yellow-shank Tatler.*

† chloropygius, Vieill. *Green-rump Tatler.*

Limosa.

† fedoa, Vieill. *Great Warbler Godwit.*

† Hudsonice, Swainson. *Hudsonian Godwit.*

Scolopax. L. Briss. Gm. Lath.

Wilsonii, Temm. *Snipe.*

† grisea, Gm. Lath. *Red-breasted Snipe.*

§ minor, Gm. Bon. *Lesser Woodcock.*

Rallus, L. Cuv. Vieill.
¶ Virginianus, L. *Virginia Rail.*
† Carolinus, Bon. *Rail.*
¶ Noveboracensis, Bon. *Yellow Breasted Rail.*

Fulica.
Americana, Gm. *Common Coot.*

Phalaropus.
¶ fulicarius? Bon. *Red Phalarope.*

ORDER V.—ANSERES.

Family Longipennes.

Rhincops, L. Gm. Lath.
§ nigra, L. *Black skimmer or Shear-water.* Visits the coast during Summer.

Sterna.
§ hirundo, L. *Great Tern.*
§ minuta, *Lesser Tern.*
§ angelica, Montagu. *Marsh Tern.*
¶ Dougalli, Montagu. *Roseate Tern.*

Larus.
‖ capistratus, Temm. *Brown marked Gull.*
§ atricilla, L. *Black headed Gull.*
§ canus, L. *Common Gull.*
§ fuscus, L. *Silvery Gull.*
argentatoides, Brehm. Common near N. Y.
† Bonapartii, Swainson and Richardson. *Bonapartean Gull.*
cataractus, Lath. *Skua Gull.*

Family Lemallosodentati.—Ill.

Anser.
Canadensis, Vieill.
hyperboreas, Pallas. *Snow Goose.*
bernicla, Bon. *The Brant.*

Anas, L. Gm. Briss.
† clypeata, L. *Shoveller.*
† boschas, L. The *Mallard.*
§ acuta. *Pintailed Duck.*
Americana. *Widgeon.*
† sponsa. *Wood Duck.*
discors. *Blue Winged Teal.*
† streptera, Lin.
† crecca, Bon. *American Teal.*

Fuligula, Bon.
perspicillata, Bon. *Black or Surf Duck.*
vallisneria, Stephens. *Canvass-back Duck.*
clangula, Bon. *Golden Eye.* Rare on the Hudson.
albeola, Bon. *Buffet-headed Duck.*
¶ spectabilis, Bon. *King Duck.*
Americana, Swain. and Richard. *American Scoter Duck.*
† nigra, Bon. *Scoter Duck.*
† marila, Stephens. *Scoup Duck or Blue Bill.*
† glacialis, Bon. *Long-tailed Duck.*

Mergus, L.
Merganser. *Goosander.*
serrator, Lin. *Red-breasted Merganser.*

Sula.
bassana, Lacep. *Gannet.*

Podiceps, Temm. Vieill.
† cristatus, Lath. *Crested Grebe.* Rare on the Hudson.
† Carolinensis, Lath. *Pied-bill Dob-chick.*

Podiceps.
† cornutus? Lath. *Horned Grebe.*
minor, Lath. *Little Grebe.*
Colymbus.
§ glacialis, L. *Great Northern Diver or Loon.*
† septentrionalis, L. *Red-throated Diver.*
Uria.
† alle, Temm. *Little Auk.*
Mormon, Ill.
† arcticus, Ill. *Puffin.*
Alca, L, Gm. Briss.
torda, L. *Razor-bill.*
Phalacrocorax.
† graculus, Dumont. *The Shag.*

III.—REPTILIA, OR REPTILES.

BY DAVID S. C. H. SMITH, M. D.

ORDER I.—CHELONIA.—BRONGNIART.

Testudo, L.
scabra, Shaw. *Common Turtle.*
Pennsylvanica. *Box Turtle.*
serpentina. *Snapping Turtle.*
picta, Schœpf. *Painted Turtle.*
punctata, Schœpf. *Speckled Turtle.*
clausa, } On the authority
insculpta, Leconte. } of Dr. Emmons.

ORDER III.—OPHIDIA.—BRONG.—SERPENTS.

Coluber.
constrictor, L. *Black Snake.*
ordinatus, L. *Striped Snake.*
sipedon, L. *Water Snake.*
saurita, L. *Ribbon Snake.*
sirtalis, L. *Garter Snake.*
striatulus, L.
punctatus, L.
eximus, Dekay. *House Snake.*
vernalis, Dekay. *Green Snake.*
Crotalus.
durissus, L. *Banded Rattle-Snake.*

ORDER IV.—BATRACHIA.—BRONG.

Rana, L.
pipiens, L. *Bull Frog.*
clamata, Dand. *Bawling Frog.*
flavi-viridis, Harlan. *Spring Frog.*
sylvatica, Le Conte. *Wood Frog.*
palustris, Le Conte. *Leopard Frog*
Hyla, Laur.
squirella? Dand. *Peeping Frog of New England.*
versicolor, Le Conte. *Common Tree Toad.*
Bufo.
musicus.
and one not described.

Salamandra, Brong. *Salmanders or Slows.*
subviolacea, Barton.
faciata, Green.
erithronota, Raf.
einerea, Green.
symetrica, Harlan.
tigrina, Green. } On the authority
longicauda, Green. } of Dr. Emmons.
picta, Harlan.

IV.—FISHES.

A Catalogue of the Marine and Fresh-water Fishes of Massachusetts.

BY JEROME V. C. SMITH, M. D.

CLASS I.—CARTILAGINOUS FISHES.

ORDER I.—CYCLOSTOMI.

Petromyzon.
marinus. *Sea Lamprey-eel.*
fluviatilis. *Fresh-water Lamprey-eel.*

ORDER II.—SELACHII.

Scyllium.
canicula. *Sea-dog, or Dog Shark.*
catulus. Very similar in character and appearance.
Squalus.
canis. *Dog*,—by some called the *Mad Sea Dog.*
Carcharias.
vulgaris. *White Shark.*
glaucus. *Blue Shark.*
vulpes. *Fox-Shark*, or *Thrasher.*
Zygæna.
vulgaris. *Hammer-Headed Shark.*
tiburo. *Warty Shark.*
Selache.
maximus. *Basking Shark.*
Torpedo.
vulgaris. *Torpedo*, or *Benumbing Fish.*
Raia.
clavata. *Thornback.*
batis. *Skate.*
Trygon.
pastinaca. *Sting Ray.*

ORDER III.—STURIONES.

Accipenser.
sturio. *Sturgeon.*

CLASS II.—OSSEOUS FISHES.

ORDER IV.—PLECTOGNATHI.

Aluteres.
monoceros. *File Fish.*
Ostracion.
triqueter. *Trunk Fish.*
bicaudalis.
Tetraodon.
turgidus. *Swell Fish.*

ORDER V.—LOPHOBRANCHII.

Syngnathus.
typhle. *Little Pipe Fish.*

ORDER VI.—MALACOPTERYGII—ABDOMINALIS.

Family I.—Salmonides.

Salmo.
salar. *Salmon.*
trutta. *Salmon Trout.*
fario. *Common Trout.*
hucho. *Hunchen Tront.*

Osmerus.
eperlanus. *Smelt.*

Family II.—Clupea.

Clupea.
harengus. *Common Herring.*
menhaden. *Menhaden.*
alosa. *Shad.*
vernalis. *Alewife.*
minima. *Brit.*

Family III.—Esoces.

Esox.
lucius. *Pickerel.*
belone. *Sea Pike.*

Exocetus.
mesogaster. *Flying Fish.*

Family IV.—Cyprinidæ.

Cyprinus.
auratus. *Golden Carp.*
crysolencas. *Shiner.*
atronasus. *Minow.*
oblongus. *Chub.*
teres. *Sucker.*

Abramis.
chrysoptera. *Bream.*

Leuciscus.
rutilus. *Roach.*
vulgaris. *Dace.*
alburnus. *Bleak.*
cephalus. *Short Chub.*

Family V.—Siluridæ.

Silurus.
—— *Horn Pout.*

ORDER VII.—MALACOPTERYGII—SUBRACHIATI.

Family I.—Gadites.

Gadus.
morrhua. *Common Cod.*
rupestris. *Rock Cod.*
arenosus. *Shoal Cod.*
merluccius. *Hake.*
taucaud. *Tom Cod.*
fuscus. *Frost-fish.*

Brosmus.
vulgaris. *Cusk.*

Morrhua.
æglefinus. *Haddock.*

Merlangus.
vulgaris. *Whiting.*
pollachius. *Pollock.*

Blennius.
viviparus. *Blenny.*
Raniceps.
blenoides. *Garter-fish.*

Family II.—Pleuronectes.

Platessa.
vulgaris. *Flounder.*
——— *Plaise.*
Hypoglossus.
vulgaris. *Holibut.*
Solea.
vulgaris. *Sole.*
Rhombus.
maximus. *Turbot.*

Family III.—Discoboli.

Cyclopteras.
lumpus. *Lumpfish.*
minutus. *Small Lump Sucker.*
Echeneis
remora. *Sucking Fish.*
naucratus. *Indian Remora.*

ORDER VIII.—MALACOPTERYGII—APODES.

Anguilla.
vulgaris. *Common Eel.*
Conger.
muræna. *Conger Eel.*

ORDER IX.—ACANTHOPTERYGII.

Family II.—Goboides.

Anarchicas.
lupus. *Wolf Fish.*

Family III.—Labroides.

Labrus.
tautoga. *Tautog.*
tautoga fusca.
tautoga alia.
coricus. *Blue Perch.*
squeteague. *Squetee.*
maculatus. *Spotted Squetee.*
Crenilabrus.
merula. *Blue Back.*

Family IV.—Percoides.

Scorpæna.
porcus. *Yellow Sculpin.*
scrofa.
gibbosa.
Mugil.
albula. *White Mullet.*
Mullus.
barbatus. *Red Mullet.*
Perca.
fluviatilis. *River Perch.*
labrax. *Striped Basse.*
Bodianus.
leucos. *Silver Perch.*

Bodianus.
rufus. *Red Perch.*
pallidus. *White Perch.*
flavescens. *Yellow Perch.*
Perca.
Uranascopus.
scaber.
Trigla.
palmipes. *Web-fingered Gurnard.*
Cottus.
gobio. *River Bullhead.*
quadricornus. *Sea Bull.*
scorpius. *Sculpin.*
cataphractus. *Armed Bullhead.*
Batrachus.
grunniens. *Grunting Bullhead.*
Lophius.
piscatorius. *Angler.*

Family V.—Scomberoides.

Scomber.
grex. *Chubbed Mackerel.*
vernalis. *Spring Mackerel.*
crysos. *Yellow Mackerel.*
plumbeus. *Horse Mackerel.*
maculatus. *Spanish Mackerel.*
scomber. *Common Mackerel.*
thynnus. *Tunny.*
Centronotus.
ductor. *Pilot Fish.*
Zeus.
faber. *Common Dory.*
Chrysotosus.
luna. *Moon Fish.*
Xiphius.
gladius. *Sword Fish.*

Family VI.—Squamipennes.

Seserinus.
alepidotus.

Family VII.—Fistularidæ.

Fistularia.
tabacaria. *Tobocco pipe Fish.*

V.—TESTACEA OR SHELLS.

List of the Marine Shells of Massachusetts, arranged according to the System of Lamarck.

BY THOMAS A. GREENE, ESQ. OF NEW BEDFORD.

CLASS IX.—ANNELIDES.

ORDER III.—SEDENTARIA.*

Pectinaria.
belgica, *Sabella belgica L.*

* It will be seen that no attempt has been made to give in this Report, a catalogue of the two other orders of Annelides in Massachusetts. But few of these animals have attracted the attention of our naturalists, and they are for the most part so out of the reach of common observation as to excite the interest of no one but the zoologist. Dr. Gould has mentioned to me that he has noticed the following species of these animals among us.

Halithea aculeata, Lamk.
Lumbricus terrestris, Lin. *Earth Worm.*
Hirudo—six species. *Leech.*
Gordius aquaticus, L. *Hair Worm.*

E. H.

Terebella.
conchilega, L.
This has been subdivided into several species, two of which have been seen on our shore.

Spirorbis.
nautiloides. *Serpula Spirorbis, L.* On Sea weed

Serpula.
vermicularis.
contortuplicata.

CLASS X.—CIRRHIPEDA.

ORDER I.—SESSILIA.

Balanus.
tintinnabulum. On the bottoms of Ships.
ovularis. *Lepas balanoides, Wood*—on plank, timber, &c.
miser. Very abundant on our rocks.
punctatus, Montague. *Lepas punctata, Wood and Dillwyn*—also on our rocks.
fistulosus.

ORDER II.—PEDUNCULATA.

Anatifa.
lævis. *Lepas anatifera L.* On the bottoms of ships.
vitrea. *Lepas vascicularis.* Found at Nantucket.

Cineras.
vittatus. *Lepas vittata.* On the bottoms of Ships

CLASS XI.—CONCHIFERA.

ORDER I.—BIMUSCULOSA.

Teredo.
navalis. On the bottoms of Ships.

Pholas.
crispata.

Solen.
ensis.
viridis. Not common in the N. England States.

Solecurtus.
Caribæus. Rare, found at New Bedford.
costatus, Say. Common at Nahant Beach.
fragilis. *centralis, Say.* Found at New Bedford.

Mya.
mercenaria, Say. *Common Clam.*

Anatina.
convexa, Turton. Thracia of Blainville.
Leana, Conrad. *prætenuis? Turton.* At Nantucket.

Mactra.
solida.
gigantea, Lam. *Solidissima Dillwyn.*
subtruncata.
lateralis, Say.
subtriangulata. *arctata, Conrad.* Figured in the supplement to Wood's 'Index Testaceologicus.'

Mactra.
tellinoides, Conrad.

Solemya.
velum, Say. Not uncommon at N. Bedford.

Amphidesma.
corbuloides. *Mya Norwegica, Wood and Dillwyn.*
M. hyalina, Conrad.

Corbula.
ferruginosa. *Mya ferruginosa, Wood.* Not described by Lamarck.

Pandora.
trilineata, Say. Found in Nantucket Harbor.

Petricola.
pholadiformis, Lam. *fornicata, Say.* Very common.

Sanguinolaria.
fusca, Conrad. At Nantucket.

Tellina.
polita, Say. Found at N. Bedford.

Lucina.
divaricata. A single valve found at Chatham. *Astarte castanea, Say.* Ocean shore at Nantucket.

Astarte—a distinct species, with margins entire.

Cyprina.
Islandica. *Venus Islandica, L.* Common in Essex [County.

Venus.
mercenaria. *Common Quahog or Round Clam.*
præparca, Say.
notata, Say.

Cardium.
Mortoni, Conrad. Very common at New Bedford.
pinnulatum, Conrad.

Cardita.
This species appears to be undescribed.

Arca.
ponderosa, Say. } These were found at Smith's
pexata, Say. } point, on the ocean shore of Nantucket.
transversa, Say. Not uncommon in Buzzard's Bay.

Nucula.
margaritacea. *Nucula proxima, Say. Arca nucleus, L.*
rostrata, Montague. *limatula, Say.*

ORDER II.—UNIMUSCULOSA.

Modiola.
papuana. *Mytilus modiolus., L.*

Mytilus.
edulis.
ungulatus.
pellucidus.
incurvatus.
demissus. Very abundant at New Bedford.

Pecten.

Magellanicus. Rare in Ms. Common at Eastport Me.
Islandicus. *Pealeii, Conrad*, Rare.
concentricus, Say. *Common Scallop.*

Ostrea.

Virginica. *Common Oyster.*

Anomia.

ephippium. Abundant in N. Bedford.
undulata. Is it a distinct species from the preceding?

CLASS XII.—MOLLUSCA.

ORDER II.—GASTEROPODA.

Chiton.

Found at Nantucket. Not described to my knowledge.

Patella.

alveus, Conrad.
amœna, Say.

Crepidula.

fornicata, Say. Very common on our coast.
glauca, Say.
plana, Say. Found in Nantucket Harbor.

ORDER III.—TRACHELIPODA

Velutina.

rupicola, Conrad.

Bulla.

solitaria, Say. Is it a variety of B. hydatis? Found at Holme's Hole.

Natica.

duplicata, Say.
heros, Say.
triseriata, Say. *Nerita intricata* of Wood's Supplement.

Melampus.

videntatus, Say. Common in salt marshes. At New Bedford.

Lacuna.

pertusa, Conrad.

Turbo.

obligatus, Say.
irroratus, Say.
palliatus, Say.

Turritella.

bisuturalis, Say.
alternata, Say.

Fusus

Islandicus. *Murex corneus, Wood and Dillwyn. Fusus corneus, Say.*
cinereus, Say.

Fusus.
decemcostatus, Say. *Murex carinatus, Pennant.*

Ranella.
caudata. At Nantucket.

Pyrula.
canaliculata. *Murex canaliculata.*
carica.

Nassa.
obsoleta, Say. *Buccinum noveboracense, Wood's Supplement.*
trivittata, Say.
lunata, Say.

Purpura.
lapillus. *Buccinum lapillus, L.*
imbricata, Lam.

Buccinum.
undatum, L.

Columbella.
terpsichore. *Buccinum terpsichore, Wood's Supplement.*

ORDER VI.—CEPHALOPODA.

Spirula.
Peronii. *Nautilus spirula, L.* Found on the ocean shore of Nantucket.

List of Land and Fresh Water Shells in Massachusetts, so far as they have been ascertained.

BY MR. JOHN MILTON EARLE, OF WORCESTER.

I.—BIVALVES.

Unio.
complanatus, Lam. *purpureus, Say.*
nasutus, Say. Ponds in Essex and Plymouth Counties.
ochraceus, Say. Ponds in Plymouth County.
radiatus, Say. Do. and Essex Counties.

Alasmodonta.
margaritifera, L. *arcuata, Barnes.*
marginata, Say. Blackstone River.
undulata, Say. Do. and streams in Plym. County.

Anadonta.
cataracta, Say. Common Green Muscle.
marginata, Say. Blackstone and French Rivers.
lugubris, Say. Ponds in Essex County.

Cyclas.
similis, Say.

Cyclas.
dubia,* Say.
And two species not described.

II.—UNIVALVES.

Paludina.
decisa, Say.
limosa? Say.

Planorbis.
trivolvis, Say.
bicarinatus, Say.
armigerus, Say.
campanulatus.
parvus, Say.

Lymnæa.
catascopium, Say.
heterostropha, Say.
columella, Say.
And one species not ascertained.

Valvata.
arenifera? Lea.

LAND SHELLS.

Helix.
albolabris. *Common Wood Snail.*
arboreus, Say.
tridentata, Say.
alternata, Say.
glaphyra, Say.
thyroidus, Say.
minuta, Say.
hirsuta, Say.
labyrinthica, Say,
perspectiva, Say.
fraterna, Say. and two other species.

AMPHIBIOUS.

Succinea
ovalis, Say.
campestris? Say.
and one species not ascertained.

Pupa.
corticaria? Say.

Caracolla.
one species not ascertained.

*This does not agree exactly with my specimens of the dubia found in Pennsylvania, but I think it not sufficientlydistinct to be separated from that species.

In the first edition of this Report, there followed in this place a *List of shells observed on and near the coast of New England*, by Col. Joseph G. Totten, containing about 125 species. But the Boston Society of Natural History have recently prepared with much care a catalogue of all the shells ascertained to exist within the limits of Massachusetts up to the present time (Oct. 1834,) and embracing nearly all the species in Col. Totten's Catalogue. I could not doubt, therefore,

but the intention of the Government would be more perfectly answered by substituting the list prepared by the Society for that of Col. Totten, since both could not be inserted. I do not mean thereby to intimate the inferiority of his Catalogue; but merely that it is not so well adapted to the particular object of the Government because it is not limited to Massachusetts. The new species ascertained by the Society might have been added to Mr. Greene's Catalogue, had there been time after their receipt to have consulted that gentleman and the Society as to certain supposed synonymes, concerning which I did not feel competent to decide. Amos Binney Esq. chairman of the Society's Committee, who forwarded the following list, observes that 'it is far from being complete, particularly in those species destitute of shells, many of which exist in our waters undescribed, or if described, not known to us.' He observes also, that 'in sending this list we do not intend to be understood as guaranteeing the correctness of the species, but simply that the species so named by the authors whose names are attached, are found in the waters of our State.'

A CATALOGUE OF SPECIES,

Beginning with the third Order of Lamarck's Class Annelides, and continuing through the 10th, 11th, and 12th Classes.

CLASS IX.—ANNELIDES. LAM.

ORDER III.—SEDENTARIA.

Pectinaria.
- Belgica, Lam.

Terebella.
- conchilega, Lam.

Spirorbis.
- nautiloides, Lam.

Serpula.
- vermicularis, Lin.
- contortuplicata, Lin.
- echinata, Gmel.

CLASS X.—CIRRHIPEDA. LAM.

ORDER I.—SESSILIA.

Balanus.
- tintinabulum, Lam.
- punctatus, Brug.
- miser, Lam.
- ovularis, Lam.
- fistulosus, Brug.
- geniculatus, Conrad.
- one or more other species.

ORDER II.—PEDUNCULATA.

Anatifa.
- lævis, Lam.
- vitrea, Lam.
- dentata, Brug.
- sulcata, Montague.

Cineras.
- vittata, Leach.

Otion.
- Cuvieri, Leach.

Teredo.
- navalis, Lin.

Pholas.
- crispata, Lin.

CLASS XI.—CONCHIFERA. LAM.
ORDER I.—BIMUSCULOSA.

Solen.
ensis, Lin.
viridis, Say.
Solecurtus.
Caribæus, Blain.
maximus,
costatus, Say.
fragilis, Pulteney.
Glycimeris.
siliqua, Lam.
Mya.
mercenaria, Lin.
Anatina.
Leana, Conrad.
convexa,
Mactra.
gigantea, Lam.
lateralis, Say.
arctata, Conrad.
tellinoides, Conrad.
Solemya.
velum, Say.
borealis, Totten.
Amphidesma.
corbuloides, Lam.
Corbula.
ferruginosa, Wood.
contracta, Say.
Pandora.
trilineata, Say.
Saxicava.
distorta, Say.
Petricola.
pholadiformis, Lam.
dactylus, Say.
Sanguinolaria.
fusca, Conrad.
Tellina.
polita, Say.
Lucina.
divaricata, Lam.
Astarte.
castanea, Say.
Cyclas.
similis, Say.
dubia, Say.
Cyprina.
Islandica, Lam.
Cytherea.
convexa, Say.
Venus.
mercenaria, Lin.
præparca, Say.
Venus.
notata, Say.
gemma, Totten.

Cardium.
Mortoni, Conrad.
pinnulatum, Con.
Cardita.
borealis, Conrad.
Arca.
ponderosa, Say.
pexata, Say.
transversa, Say.
Nucula.
margaritacea, Lam.
rostrata, Montague.
Unio.
complanatus, Soland.
nasutus, Say.
ochraceus, Say.
radiatus, Lea.
Alasmodonta.
arcuata, Barnes.
marginata, Say.
undulata, Say.
Anodonta.
cataracta, Say.
marginata, Say.
lugubris, Say.

ORDER II.—UNIMUSCULOSA.

Modiola.
papuana, Lam.
plicatula, Lam.
glandula, Totten.
Mytilus.
edulis, Lin.
ungulatus, Humboldt.
incurvatus, Maton.
pellucidus,
Pecten.
Magellanicus, Lam.
Islandicus, Lam.
concentricus, Say.
Ostrea.
Canadensis, Lam.
Virginica, Lam.
edulis, Lin. Var.
Anomia.
ephippium, Lin.
Terebratula.
an undescribed recent species.

CLASS XII.—MOLLUSCA.

ORDER II.—GASTEROPODA.

Chiton.
one species.
Patella.
alveus, Conrad.
amœna, Say.
Crepidula.
fornicata, Say.
glauca, Say.

Crepidula.
plana, Say.
convexa, Say.
Ancylus.
rivularis, Say.
Velutina
rupicola, Conrad.
Bulla.
solitaria, Say.
Limax.
one or more species.
Testacella.
one or more species.

ORDER III.—TRACHELIPODA.

Helix.
albolabris, Say.
thyroidus, Say.
alternata, Say.
perspectiva, Say.
glaphyra, Say.
arborea, Say.
tridentata, Say.
hirsuta, Say.
fraterna, Say.
labyrinthica, Say.
minuta, Say.
subglobosa,(manuscript.)
Pupa.
fallax, Say.
corticaria, Say.
Succinea.
ovalis, Say.
campestris, Say.
Auricula.
myosotis, Drap.
Planorbis.
trivolvis, Say.
bicarinatus, Say.
armigerus, Say.
campanulatus, Say.
parvus, Say.
two or more other species.
Physa.
heterostropha, Say.
Lymnœa.
catascopium, Say.
columella, say.
ovata, Lam.
two or more other species.
Valvata.
arenifera, Lea.
Paludina.
decisa, Say.
limosa, Say.
lapidaria, Say.
one other species.
Natica.
duplicata, Say.
heros, Say.
triseriata, Say.

Melampus.
bidentalis, Say.
Vermetus.
lumbricalis, Lam.
Lacuna.
pertusa, Conrad.
fusca, (manuscript.)
Turbo.
obligatus, Say.
palliatus, Say.
vestita, Say.
irroratus, Say.
inflatus, Totten.
minutus, Totten.
Turritella.
alternata, Say.
bisuturalis, Say.
Fusus.
corneus, Say.
cinereus, Say.
decemcostatus, Say.
Pyrula.
caniculata, Lam.
carica, Lam.
Ranella.
caudata, Say.
Purpura.
lapillus, Lam.
imbricata, Lam.
Buccinum.
undatum, Lin.
Nassa.
obsoleta, Say.
trivittata, Say.
lunata, Say.
vibex, Say.
Columbella.
avara, Say.

ORDER IV.—CEPHALOPODA.

Spirula.
Peronii, Lam.
Loligo.
illecebrosa, Lesueur.
pavo, Lesueur.
one or more other species.

VI.—CRUSTACEA.

BY AUGUSTUS A. GOULD, M. D. OF BOSTON.

ORDER I.—DECAPODA.

Family I.—Brachyura.

Portunus.
pictus, Say. *P. lividus, Leach. Cancer depurator, Oliv. Sand Crab.*
Lupa.
hastata, Fab. *Edible Crab.*

Cancer.
granulatus, S. *C. Mænas, L.*
irroratus, S.
undecimdentatus ? F.
Panope, S.
Ocypode.
pugilator, S. *Fiddler Crab.*
Pinnotheres.
ostreum, S. In Oysters.
Pilumnus.
one species. Marshes, Cambridge.
Grapsus.
pelagicus, S. On sea weed, Gulf stream.
Libinia.
canaliculata, S. *Spider Crab.*

Family II.—Macroura.

Astacus.
marinus, F. *Common Lobster.*
Bartonii, Bosc. *Craw-Fish. Fresh Water Lobster.*

Crangon.
septemspinosus, S. *Shrimp.*
Palæmon.
vulgaris, S. *Prawn or Shrimp.*
Pagurus.
Bernhardus, Lin. in Buccinum undatum and Natica.
pollicaris, S. in Natica and Pyrula &c.
longicarpus, S. in Nassa, Columbella, &c.
} *Hermit Crabs.*
Hippa.
emerita ? F. *talpoida ? S. Sand Bug.*

ORDER II.—STOMAPODA.

Squilla.
empusa, S.

ORDER III.—AMPHIPODA.

Gammarus.
fasciatus, S. *G. Marinus ? Leach.*
minus, S.
} *Beach Fleas.*
Talitrus.
longicornis, S.
gryllus, Bosc.
} *Beach Fleas.*

ORDER IV.—LÆMODIPODA.

Cyamus.
ceti, L. *Whale Louse.*

ORDER V.—ISOPODA.

Cymothoa.
ovalis, S. *Æga emarginata, Leach.*
impressa, S. *Æga bicarinata, Leach.*
Idotæa.
cæca, S.
tricuspidata ? Leach :
and one other.
Stenosoma.
irrorata, S.
Asellus.
communis, S.
and one more.
Ligia.
oceanica, Desm. *Oniscus oceanicus, L.*

Oniscus.
asellus, L. *O. affinis, S. Wood Louse.*
Armadillo.
vulgaris, Latr. *A. pilularis, S.*

ORDER VI.—BRANCHIOPODA.

Branchipus.
one or more species.

ORDER VII.—PŒCILOPODA.

Limulus.
polyphemus, L. *Horse-shoe. King-crab.*

The preceding Catalogue of the Crustacea differs materially from that in the first edition. Besides being somewhat enlarged, more extended observations and investigations have enabled us to make several corrections, and to offer, with more confidence of its accuracy, the whole list. It still remains far from complete, especially as regards the smaller individuals. We have been obliged to rely chiefly on Mr. Say's papers in the Journal of the Academy of Natural Sciences for descriptions; and although we have adopted his names, we are not satisfied that he has always referred his species to the right genera, whether of Leach or Desmarest, the two greatest authorities in Crustacealogy. The objects we have examined differ in general from his descriptions by being of a much larger size. We have also added synonyms in a few instances, believing that those Crustacea, described by Mr. Say as new, are either identical with, or very closely allied to European species already described.

All the species enumerated are in the Cabinet of the Boston Society of Natural History.

VII.—ARANEIDES. *Latr.*

THE SPIDERS.

BY PROFESSOR N. M HENTZ.

The following catalogue embraces a wider field than Massachusetts. The species, indeed, have been obtained from various parts of the United States. This arose from a misapprehension on the part of Professor Hentz of the precise object I had in view. Yet I did not think it important enough to request him to alter the list.* The interesting notes which accompanied this catalogue, being too extended for this place, were forwarded to the editor of the American Journal of Science, and published in the 21st volume of that work. The whole paper forms, indeed, a valuable monagraph of the Spiders of the United States.

Oletera.
Carolinensis.
nigra.
Filistata ?
hibernalis.
Dysdera.
teterrima.
Segestria ?
pumila.
Herpyllus.
ecclesiasticus.
ater.
cruciger.
ornatus.
bilineatus.
bicolor.
descriptus.
variegatus.

Clubiona.
tranquilla.
gracilis.
pallens.
celer.
obesa.
inclusa.
Tegeneria.
punctata.
medicinalis, Hentz. (Journ. Acad. Nat. Sciences. II, 53.)
Agelena.
nævia? Bosc.
plumbea.
Theridium.
verecundum.
lineatum.
Theridium.
vulgare.
boreale.
and another species.
Pholcus.
Atlanticus.
Lyniphia.
communis.
pumila.
autumnalis.
coccinea.
and one doubtful species.
Tetragnatha.
laboriosa.
ferox.
Epeira, L.
riparia.
Latreillana.
obesa.
Pennsylvanica.
vulgaris.
trefolium.
infumata.
septima.
prompta.
hortorum.
pratensis.
cancer.
caudata.
militaris?
verrucosa.
alba.
rugosa
spinea.
labyrinthea.
and seven species not named.
Mimetus.
syllepsicus.
Thomisus.
fartus.
piger.
celer.
vulgaris.
parvulus.
Carolinensis.
ferox.
and another species.

Sphasus.
nitidans.
salticus.
scalaris.

Dolomedes.
tenebrosus.
tenax.
sexpunctatus.
lanceolatus.
and two more species.

Lycosa.*
tarantula Carolinensis?

Lycosa.
lenta.
parva.
ocreata.
littoralis.
punctulata.
fatifera.
maritima.
and three other species.

Attus.
familiaris.
superciliosus.
insolens.
rarus.
viridis.
parvus.
niger.
castaneus.
coccineus.
elegans.
sexpunctatus.
tripunctatus.
militaris.
vittatus.
grandis.
cyaneus.
audax.
rufus.
Nuttallii.
sylvanus.
auratus.
and eight more species.

Epiblemum.
faustum.
palmarum.

Synemosyna.
formica.
and two more species.

The number of 125 species will appear very large, but I could have swelled the list to 150. Spiders differ from true insects, or at least *winged* insects, in their *growing*. They come out from their eggs very minute, and continue to increase in size, probably for several years in many species; whereas, with few exceptions, insects come out of their *pupa* state, at once, with the size, which is peculiar to them. The ARANEIDES, in their different ages, present differences of color and marking. The *seasons* also produce a change in the colors of some spiders; and, I am nearly convinced that the first frosts produce a total change in the dress of several described EPEIRÆ, which may be refered to one name. These are the considerations which have induced me to be very cautious in adopting new species, and comparing many specimens in different seasons, when possible, before I described them.

* The famous Tarantula of the South of Europe, the bite of which, for many years, was supposed to produce a disease that music alone could cure, belongs to this genus: and I found on Round Hill (Mass) a species (*Lycosa fatifera*, of my catalogue) which is probably very closely related to the European species, and which dwells in holes, nearly a foot deep.

VIII.—INSECTS.

BY THADDEUS WILLIAM HARRIS, M. D.

I.—COLEOPTERA.

CICINDELIADÆ.

Cicindela.
- generosa, Dejean.
- vulgaris, Say.
- patruela, D.
- purpurea, Olivier. marginalis, Fabricius.
- sexguttata, F.
- rugifrons, D. C. unicolor, D. is merely a variety.
- marginata, F. variegata, D.
- dorsalis, S.
- hirticollis, S. albohirta, D.
- repanda, D. hirticollis, var. S.
- duodecimguttata, D. hirticollis, var. S.
- hæmorrhoidalis, Hentz.
- punctulata, O.

CARABIDÆ.

Casnonia, Latreille.
- Pennsylvanica, L.

Galerita, F.
- Americana, L,

Brachinus, Weber.
- librator ? D.
- fumans, L.
- formosus.
- perplexus ? D.
- cordicollis, D.
- cyanipennis, S.
- medius, Harris.
- minutus, H.

Helluo, Bonelli.
- præustus, D.

Plochionus, D.
- Bonfilsii ? D.

Cymindis, Latr.
- pilosus, S.
- platicollis, S.
- comma.
- glabratus.
- biplagiatus.

Dromius ? Bon.
- subsulcatus ? D.

Calleida, D.
- smaragdina, D.

Lebia, Latr.
- grandis, Hentz.
- tricolor, S.
- borea, Hentz.
- atriventris, S.
- pulchella, D.
- vittata, F.
- solea, Hentz.
- ornata, S.
- decora, S.
- viridis, S.

Scarites, F.
- subterraneus, F.

Clivina, Latr.
lineolata, S.
globulosa, S.
Cychrus, F.
viduus, D.
Cychrus (Sphæroderus, D.)
stenostomus, Weber.
Cychrus (Scaphinotus, D.)
elevatus, F.
Carabus, L.
vinctus, Weber. interruptus, S.
sylvosus, S.
limbatus, S.
serratus, S.
Calosoma, Weber.
scrutator, F.
calidum, F.
obsoletum, S.
Nebria, Latr.
pallipes, S.
Omophron, Latr.
labiatum, F.
Elaphrus, F.
fuliginosus, S.
ruscarius, S. formerly riparius, S.
Nothiophilus, Dumeril.
semistriatus, S.
porrectus, S.
Oodes, Bon.
Americanus, D.
amaroides, D.
Chlænius, Bon.
prasinus, D.
rufipes, D.
sericeus, Forster.
tomentosus, S.
nemoralis, S.
pubescens, H.
lithophilus, S.
distans. niger.
purpuricollis.
emarginatus, S.
Rembus, Latr.
impressicollis? D.
Dicælus, Bon.
dilatatus, S.
elongatus, Bon. furvus, D.
politus, D. Leonardii, H.
Panagæus, Latr.
fasciatus, S.
Patrobus, Megerle.
longicornis, S. Americanus, D.
Calathus, Bon.
gregarius, S. piceus, H.
Pristodactyla, D.
Americana, D.
Platynus, Bon.
pusillus.

Anchomenus, Bon.
- extensicollis, S.
- decorus, S.
- placidus. elongatus.
- maculifrons, S.

Agonum. Bon.
- octopnctatum, F.
- cupripenne, S.
- morosum, D.
- scutellare, S.
- nitidulum ? D. quadrinotatum.
- melanarium, D. collare ? S.
- lenum, D.
- obsoletum, S. luctuosum, D.
- bimarginatum.
- foveolatum.

Feronia, Latr. (Pœcilus, Bon.)
- chalcites, S.
- lucublanda, S.
- fraterna ? S.

Feronia, (Argutor, Megerle.)
- erythropus, D.
- diligens. nitidus.

Feronia (Omaseus, Ziegler.)
- stygica, S. bisigillata, H.
- subpunctata, H. corvina, D.
- polita, H. morosa ? D. muta ? S.
- caudicalis, S.
- hamata, H. luctuosa ? D.

Feronia (Pterostichus, Bon.)
- adoxa, S.
- humida, S.

Myas, Ziegler.
- cyanescens, D. coracinus? S.

Amara, Bon. (Leirus, Megerle.)
- exarata, D.
- confinis, D.

Amara (proper.)
- obesa, S.
- impunctata, S.
- impuncticollis, S.
- angustata ? S.
- basillaris ? S.
- planicosta.
- pusilla.
- undulata.

Daptus, Fischer.
- incrassatus, D.

Agonoderus, D.
- lineola, F.
- pallipes, F.

Harpalus, Latr. (Pangus, Ziegler.)
- caliginosus, F.

Harpalus (Anisodactylus, D.)
- agricolus, S.
- discoideus, D.
- Baltimoriensis, S.
- rusticus, S.
- merula, D.

Harpalus (Ophonus, Ziegler.)
- sericeus, H. femoratus, D.

Harpalus (proper)
erraticus, S.
viridis, S.
bicolor, F.
faunus, S.
herbivagus, S.
spadiceus, D.
vulpeculus, S. nigripennis, D.
terminatus, S.
merula.
pallidus.
interstitialis, S. obscuripennis, D.
hylacis, S.

Stenolophus, Megerle.
ochropezus, S.
fuliginosus, D.

Acupalpus, Latr.
cinctus, S. elongatulus, D.
partiarius, S. pauperculus? D.
conjunctus, S. misellus, D.

Bembidium, Latr.
tetracolum, S.
oppositum, S.
contractum, S.
cognatum, D.
variegatum, S.
flavicaudum, S.
delum.
inornatum, S.

DYTICIDÆ.

Dyticus, Geoffroy.
verticalis, S.
Carolinus.
fasciventris, S.

Dyticus (Acilius, Leach.)
fraternus, H.
mediatus, S.
basillaris, H.

Dyticus (Hydaticus, Leach.)
fasciaticollis, H.
liberus S.
apicialis.

Colymbetes, Clairville.
sculptilis, H.
fimbriolatus.
binotatus, H.
suturellus, H.
fenestralis, S.
bicarinatus, S.
erytropterus, S. discolor, H.
seriatus, S.
obtusatus? S.
tæniolatus, H.
venustus, S.
acuductus, H.

Laccophilus, Leach.
maculosus, S.

Hydroporus, Clairville.
niger, S.
catascopium, S.

Hydroporus, Clairville.
fasciatus, H. oppositus ? S.
rectus.
affinis, S.
Hyphydrus, Latr.
punctatus, H.
notatus.
Haliplus, Latr.
duodecimpunctatus, S.
immaculaticollis, H.

GYRINIADÆ.

Gyrinus, L.
emarginatus, S.
Americanus, L.
labratus.
limbatus, S.
analis, S.
arctus.

STAPHYLINIADÆ.

Oxyporus, F.
emarginatus.
femoralis, Gravenhorst.
Staphylinus, L.
villosus, G.
immaculatus.
maculosus, G.
cingulatus, G.
fossator, G.
prælongus. ater ? G.
cinnamopterus, G.
cyanipennis, F.
nigripes.
pallipennis.
violaceus, G.
anthrax, G.
bratilis.
interpunctatus.
tepidus.
Xantholinus, Dahl.
cephalus, S.
Lathrobium, G.
cinctum ? S.
rotundicolle.
Pæderus, F.
littorarius, G.
discopunctatus, S.
Rugilus, Leach.
dentatus, S.
confluentus, S.
Stenus, Latr.
geniculatus, S.
femoratus ? S.
Omalium, G.
rotundicolle, S.
Aleochara, G.
lata, G.
verna, S.
Tachinus, G.
fimbriatus, G.
memnonius, G.

Tachinus, G.
cincticollis, S.
obsoletus, S.
Tachyporus, G.
discoidalis.
fumipennis, S.
unicolor.
jocosus, S.

PSELAPHIDÆ.

Pselaphus, Herbst.
carinatus, S.
corrugatus.

BUPRESTIADÆ.

Buprestis L.
Geranii, H. tubulus? F.
Virginica, Drury.
striata, F.
maculiventris, S.
longipes, S.
divaricata, S.
tuberculata.
sylvatica. nubila.
obscura? F.
lurida? F.
fasciata, O.
coronata.
lineata, F.
plagiata.
fulvoguttata, H.
characteristica, H. dentipes? Germar.
femorata, F.
fastigiata.
strangulata.
sexguttata, S.
Harrisii, Hentz.
cogitans, Weber. ignara? F. innuba? F.
viridicornis, S.
Bupestris (Agrilus, Megerle.)
ignara? F. paganica.
polita, S.
ruficollis? F. geminata? S.
otiosa, S.
Trachys, F.
tessellata, F.
ovata, Weber.
Trachys (Metonius, Say.)
lævigata, S. ovatus, S.
Aphanisticus, Latr.
gracilis, S.
Melasis, Olivier.
semivittatus.

ELATERIADÆ.

Eucnemis, Ahrens.
longulus. amœnicornis.
clypeatus. Elater clypeatus? S.
Elater, L. (Tapheicerus.)
obtectus.
foveolatus. operculatus.
auroratus.
pennatus, F.

Elater (proper.)
- oculatus, L.
- myops, F.
- discalceatus.
- longicornis.
- brevicornis, S.
- abruptus, S.
- attenuatus, S.
- carbonarius.
- auriculatus.
- elongatus? Palisot de Beauvois. pyrros? Herbst.
- bilobatus.
- cucullatus, S.
- canaliculatus.
- silaceus, S.
- vespertinus, F.
- viridanus, S.
- inquinatus.
- spiraculatus.
- cylindriformis, S.
- plebejus, S.
- agonus.
- mancus, S.
- appressifrons, L.
- decoloratus,
- xanthopus.
- scapularis.
- apicatus.
- quercinus, S,
- cruciatus, L.
- hieroglyphicus.
- lugubris? Pal. de Beauvois.
- discoideus, F.
- hamatus.
- oblessus, S.
- contemptus. erytropus.
- metallicus.
- glaber.
- collaris, S.
- vernalis, Hentz.
- inflatus, S.
- convexulus.
- pumilus. obesus? var. S.
- plagicollis.
- sanguinipennis, S.
- dorsalis, S.
- dilectus, S.
- stigma, Herbst.
- cardisce.
- bigeminatus.
- pectoralis.
- silaceipes. abbreviatus? var. S.
- atriventris.

Elater (Campylus, Fischer.)
- septentrionalis.
- exiguus.

Elater (Nothora.)
- cinereus, Weber.
- corticinus, S. dispar? Herbst.
- communis, S. chönherr. S.
- bicolor.
- pertinax.
- tenax.

Elater (Lissomus, Dalman. Drapetes, Megerle.)
Americanus. rufinotatus.

CEBRIONIADÆ.

Anelastes? Kirby.
sericea.
Physodactylus? Fischer.
cisteloides.
Sandalus? Knoch.
lineatopunctatus.
Ptylodactyla, Illiger.
discoida, S. (Cyphon.)
Dascillus, Latr.
two species.
Elodes, Latr.
ovalis, S.
bicolor.
Scirtes, Latr.
tibialis.
orbiculatus, F.

LAMPYRIDIDÆ.

Lycus, F.
Smithii.
reticulatus, F.
terminalis, S.
perfacetus, S. marginellus? F.
Omalisus, Geoffroy.
coccinatus.
humeralis? F. scapularis.
crenatus? Germar.
quadricollis.
marginellus.
Phengodes, Hoffmansegg.
plumosa, O.
Lampyris, L.
versicolor, F.
centrata, S.
angulata, S.
scintillans, S.
corrusca, L.
laticornis, F.
decipiens. nigricans? S.
Telephorus, Schæffer.
rotundicollis, S.
Carolina, F.
basillaris, S.
diadema, F.
bilineatus, S.
rufipes, S.
scitula, S,
tricostatus.
constrictus.
laticornis, S.
lacrymosus.
percomis.
Telephorus (Chauliognathus, Hentz.)
marginatus, F.

MELYRIDIDÆ.

Malachius, F.
- vittatus, S.
- quadrimaculatus, F.
- tricolor, S.
- circumscriptus? S.

Dasytes, Paykull.
- terminalis. Malachius terminalis? S.

PTINIDÆ.

Ptinus, L.
- fur, L,

Ptilinus, Geoffroy.
- ruficornis, S.

Dorcatoma, Herbst.
- oculata, S.

Xyletinus, Latr.
- thoracicus.
- sericeus, S.
- punctipennis.

Anobium, F.
- gibbosum, S.
- tessellatum? F.
- carinatum, S.
- molle? F.
- pertinax? F.
- notatum, S.
- tenuestriatum, S.
- bistriatum, S.
- paniceum, F.

LYMEXYLIDÆ.

Cupes, F.
- variegata.
- capitata, F.

TILLIADÆ.

Enoplium, Latr.
- pilosum, Forster.
- onustum, S.

CLERIADÆ.

Thanasimus, Latr.
- dubius, F.
- undulatus.
- nigrifrons, S.
- unifasciatus? S, analis.
- thoracicus, O.
- coccineus. Not strictly a Thanasimus.
- oculatus.
- dislocatus? S. (Enoplium.) Not strictly Thanasimus
- pallipennis. S. } Allied species, not strictly belonging to this genus.
- humeralis, S. } Allied species, not strictly belonging to this genus.
- verticalis. } Allied species, not strictly belonging to this genus.

Clerus. Geoffroy.
- Nuttalii, Kirby.

Necrobia, Latr.
- violacea, L.
- ruficollis, F.
- rufipes, F.

HISTERIADÆ.

Hister, L.
arcuatus, S.
cadaverinus, Paykull. interruptus ? Pal. de Beauvois.
merdarius, F.
unicolor ? L. anhelus.
abbreviatus, F.
demistriatus.
sedecimstriatus, S.
fraternus, S.
dimidiatus ? P.
dimidiatipennis.
postjuntcus.
Pennsylvanicus, P.
pygmæus, Pal. de Beauvois.
repletus.
duodecimlineatus. pulicarius.
indistinctus ? S.
assimilis, P. mancus ? S.
punctulatus, S.
elongatus, O.

Hister (Platysoma, Leach.)
deplanata, Gyllenhal. sordida ? S.

Hister (Hololepta, Paykull.)
tridentata.

SILPHIADÆ.

Necrophorus, F.
Americanus, O. grandis, F.
orbicollis, S.
marginatus, F.
mediatus, F.
tomentosus, Weber. velutinus, F.
mortuorum, F.

Necrodes, Leach.
Surinamensis, F.

Silpha, L.
Americana, L.
marginalis, F.
inequalis, F.
caudata, S.

NITIDULADÆ.

Peltis ? F.
sulcata.

Thymalus, Latr.
marginatus.

Nitidula, F.
grossa, F.
bipustulata, L.
undulata, S.
variegata, O. colon ? L.
sexmaculata, S.
mera.
adusta.
geminata, S.
octomaculata, S.

Cercus, Latr.
unicolor, S.
viridans.
opacus.

Ips, F.
obtusa.
fasciata, O.
dilecta.
immaculata.
sanguinolenta, O.
transversa.
pallitarsa.
octomaculata.
auripilis. Not strictly an Ips.
Dacne, Latr.
fasciata, F.
Byturus, Latr.
unicolor, S.
Cryptophagus, Herbst.
cellaris, O.
Scaphidium, O.
quadripustulatum, S.
unicolor.

DERMESTIADÆ.

Dermestes, L.
vulpinus, F.
lardarius, L.
marmoratus, S.
variegatus, S.
Megatoma, Herbst.
pellio, L.
macellarius, F. and (Dermestes) megatoma, F.
ornata, S.

BYRRHIADÆ.

Anthrenus, Geoffroy:
museorum? L. varius? F. trifasciatus.
niger.
Byrrhus, L.
Americanus.
alternatus, S.
obscurus.

PARNIADÆ.

Heterocerus, F.
maculatus.
Dryops, O.
fastigiatus, S.
Elmis, Latr.
Peckii.
Machonychus, Müller.
glabratus, S.

HYDROPHILIDÆ.

Hydrophilus, L.
triangularis, S.
obtusatus, S.
glaber, Herbst.
nimbatus, S.
globosus, S.
ovalis.
rotundus, S.
cinctus, S.
striatus, S. undatus? F. peregrinus? Herbst.
nebulosus, S.
subcupreus, S.
fuscus.

Elophorus, F.
lineatus, S.
alternatus.
Hydrochus, Germar.
one species.
Hydrobius ? Leach.
obsoletus.
Spercheus ? F.
one species.

SPHÆRIDIIDÆ.

Sphæridium, F.
occallatum, S.
rufum.
nigricolle, S.
indistinctum.

SCARABÆIADÆ.

Atauchus, Weber.
lævis, Drury. volvens, F.
nigricornis, S.
Onitis, F.
sulcatus, Drury. Nicanor, F.
Onthophagus, Latr.
Hecate, Panzer. latebrosus, F.
albicornis ? Pal. de Beauv. striatulus ? Pal. de Beauv.
subæneus, Pal. de Beauvois. ovatus ? L.
bidentatus.
Phanæus, Macleay.
carnifex, L.
Copris, Geoffroy.
anaglypticus, S.
minutus, Drury. Ammon, F.
Aphodius, Illiger.
oblongus, S.
obliquatus.
femoralis ? S. fimosus.
vittatus, S.
bicolor, S.
strigatus, S.
terminalis, S.
rubeolus, Pal. de Beauvois.
Geotrupes, Latr.
exaratus. splendidus ? F.
dilatatus. Blackburni ? F.
excrementi, S.
cupreus.
splendidus ? F. Blackburni ? Pal. de Beauvois.
Odontæus, Ziegler.
Lazarus, F.
filicornis, S.
Trox, F.
porcatus, S.
capillaris ? S. canaliculatus ? S. echinatus.
serrulatus ? Pal. de Beauv. hispidus. variolatus.
terrestris, S.
Scarabæus, L. Latr.
Jamaicensis, Drury. Satyrus, F.
Maimon, F. Antæus ? Drury.

Scarabæus, L. Latr.
relictus, S.
geminatus? F. lugubris? Schönherr. novator.
tridentatus, S.
gibbosus, De Geer.
vespertinus.
Rutela, Latr. (Pelidnota, Macleay.)
punctata, L.
lanigera, L.
Melolontha F. (Anomala, Megerle.)
arboricola, F.
luciola, F. cœlebs. The atrata, F. is a variety.
Melolontha (proper.)
occidentalis, L. variolosa, Hentz.
Melolontha (Rhisotrogus, Latr.)
Quercina, Knoch. fervens? Gyllenhal
porcina, Hentz.
Georgicana, Gyllenhal.
hirticula, Knoch.
hirsuta, Knoch.
balia, S.
fraterna.
pilosicollis, Knoch.
longitarsa, S. } not strictly Rhisotrogus.
mœsta, S. }
sordida, S. }
Melolontha (Serica, Macleay.)
vespertina, Gyllenhal.
sericea, S. sericea? Illiger.
iricolor, S.
nigricornis.
Melolontha (Dichelonyx.)
hexagona, Germar.
linearis, Gyllenhal. elongatula? F.
Melolontha (Macrodactyla, Latr.)
subspinosa, F.
Hoplia, Illiger.
trifasciata, S.
oblonga. maura.
Amphicoma, Latr.
vulpina, Hentz.
Trichius, F.
eremicola, Knoch.
scaber, Pal.de Beauv.
dispar.
maculosus, Knoch.
piger, F.
lunulatus, F.
Cremastocheilus, Knoch.
Hentzii, H. the canaliculatus, Kirby is a variety.
Harrisii, Kirby. Castaneæ? H.
Sayii, H.
Cetonia, F.
fulgida, F.
Inda, L. barbata, S.
Cetonia (Gymnetis, Macleay.)
nitida, L.

LUCANIADÆ.

Lucanus, L.
- Capreolus, L. Dama, F.
- latifrons.
- parallelus, S. Voeti? Schönherr.

Platycerus, Latr.
- piceus, Weber.
- securidens, S.

Passalus, F.
- cornutus, F

BLAPTIADÆ.

Scotinus? Kirby. (Bolitobius.)
- inequalis. montanus.

Dendarus, Megerle (Heliophilus ? D.)
- rorulentus. Pedinus suturalis? S.
- interruptus. S. Opatrum interruptum, S.

TENEBRIONIADÆ.

Upis, F.
- variolosus? Pal. de Beauv. rugosus.
- clavipes.
- Pensylvanicus, De Geer. lævis, O.
- reticulatus, S.
- saperdoides, O. (Helops spinipes, F. Tenebrio anthracinus, Knoch.)
- rufipes, S.
- femorata, F, fulvipes, Herbst.

Tenebrio, L.
- granarius. molitor? L. var.
- punctulatus.
- badius, S.
- reflexus, S.

DIAPERIADÆ.

Uloma, D.
- fodiens. ochracea.

Hypophlæus, F.
- pusillus.

Phaleria, Latr.
- testacea, S.
- mimus. Not strictly a Phaleria.

Diaperis, Geoffroy.
- maculata, O. Hydni, F.
- orbiculata. nigra.
- erythrocera.
- flavipes? F. labrosa.
- bicornis? F. viridipennis? F.

Eledona, Latr.
- cornuta, F.

HELOPIDÆ.

Helops, F.
- vittatus, O. micans, F.
- tenuicollis, S.
- politus.
- convexus.
- obliquatus, F.
- antennatus.

Strongylium? Kirby.
- corticinum.

Pytho, Latr.
nitidus.

CISTELIADÆ.

Cistela, F.
fuliginosa.
marginata.
manicata.
collaris.
obscura, S.
atra, S.
debilipes.
sericea, S. (Long's Expedition.)
sulphurea? L. sericea, S. (Jour. Acad. Nat. Sc.)

SERROPALPIADÆ.

Orchesia, Latr.
fusca.
Eustrophus, Illiger.
bicolor, F.
quadrimaculatus.
tomentosus, S.
Dircæa, F.
unicolor.
variegata.
orbicollis.
Melandria, F.
striata, S.
maculata.
Hypulus, Paykull.
quadrinotatus.
Serropalpus, Hellwig.
linearis.
quadrimaculatus, S.

ŒDEMERIADÆ.

Œdemera, O. (Dytilus, Fischer.)
melanura, F.
ruficollis.
Mycterus, Clairville.
benecornis.

LAGRIADÆ.

Lagria, F.
ænea, S.

PYROCHROADÆ.

Dendroides, Latr.
Canadensis, Latr.
Pyrochroa, Geoffroy.
flabellata, F.
puncticollis, S.
marginata.
infumata, Hentz.
elegans, Hentz.

MORDELLIADÆ.

Ripiphorus, Bosc. (Pelecotoma, Fischer.)
pallipes.
Mordella, L.
bidentata, S.
nigra.
pruinosa, serval.
scutellaris, F. brevis.
guttulata.

Anaspis, Geoffroy.
rufa, S.

ANTHICIDÆ.

Scraptia, Latr.
two species.
Notoxus, Geoffroy.
anchora, Hentz.
monodon, F.
Anthicus, Paykull.
cinctus, S.
amænus.
bigeminus.

HORIADÆ.

Horia, F.
sanguinipennis, S.

CANTHARIDIDÆ.

Meloe, L.
Americanus, Leach.
quadricollis.
angusticollis, S.
Cantharis, Geoffroy.
marginata, F.
ænea, S.
vittata, F.
cinerea, F.
atrata, F. Pensylvanica, Degeer.

BRUCHIADÆ.

Bruchus, L.
Pisi, L.
punctifer.
scutellaris. Possibly not a Bruchus.
Anthribus, Geoffroy.
marmoreus, O. lunatus, F.
quadrinotatus, S.
Anthribus (Rhinomacer? Latr.)
calvus.

CURCULIONIADÆ.

Attelabus, L.
analis, Weber.
pubescens, S.
bipustulatus, F.
Rhynchites, Herbst.
bicolor, F.
hirtus? F. brevipennis.
porosus.
Rhynchites (Sapindus, Schonherr.)
collaris, O. rubricollis, S.
unicolor.
Rhynchites (Pterocolus, Sch.)
ovatus, F.
Apion, Herbst.
rostrum, S. nigrum? Herbst.
Thamnophilus, Sch.
olyra, Herbst.
pandura, S.
marginatus.
Ithycerus, Sch,
Noveboracensis, Forster. curculionoides, Herbst.

Brentus. F. (Arrhenodes, Sch.)
septentrionis, Herbst. peregrinus, Herbst. Maxillosus ? O.
Curculio, L. (Thylacites, Germar.)
crinitus. globulus.
Curculio (Aphrastus, Sch.)
tæniatus, S.
Curculio (Sitona, Germar.)
mustelinus.
caninus ? F.
Curculio (Hadromerus, Sch.)
hilaris, Herbst.
Curculio (Listroderes, Sch.)
lineatulus, S.
tricarinatus. Lineatulus ? S. var.
reticulatus.
Curculio (Hylobrius, Germ.)
pales ? Herbst. Abietis ? L. macellus, G.
Abietis ? L. multiguttatus ? O. confusus.
atropos.
Curculio (Otiorhynchus, Germ.)
apiculatus.
Lixus, F.
rubellus.
marginatus, S.
lineaticollis. rostellatus.
Rhynchænus, F. (Pissodes, Germ.)
Strobi, Peck. nemorensis, G.
Rhynchænus (Erodiscus, Sch.)
myrmex, Herbst. myrmecodes, S.
Rhynchænus (Balaninus, Germ.)
nasicus, S.
rectus, S.
rotundicollis.
Rhynchænus (Orchestes, Illiger.)
calceatus.
Rhynchænus (Madarus, Sch.)
undulatus, S.
Rhynchænus (Baridius, Sch.)
modestus. picipennis.
obtusus.
Rhynchænus (Cryptorhynchus, Illiger.)
argula, F. nenuphar. Herbst. Cerasi, Peck.
elegans, S.
terminalis. elegans ? S. var.
anaglypticus, S.
parochus, Herbst.
palmacollis, S.
Rhynchænus (Ceutorhynchus, Germ.)
pruinosus.
tubularis.
acephalus, S.
Rhynchænus (Mononychus, Schüppel.)
vulpeculus, F.
Calandra, Clairville. (Rhynchophorus, Herbst.)
pertinax, O.
cariosa, O.
immunis, S.
cicatricosa, S.

Calandra (proper.)
Oryzæ, L.
Cossonus, Clairv. (Rhyncholus, Creutzer.)
corticolus, S. corticalis ? F.
punctulatus.
striatus.

BOSTRICHIDÆ.

Hylurgus, Latr.
terebrans, O.
insidiosus.
apiculatus.
Hylesinus, F.
aculeatus, S.
Phloiotribus, Latr.
reflexus.
Scolytus ? Geoffroy.
pyri, Peck. (Probably Bostrichus F. Tomicus ? Latr.)
Tomicus, Latr.
pini, S.
septentrionis.
dentatus, S.
politus, S.
liminaris.
profundus.
xylographus, S.
Bostrichus, Geoffroy. (Apate, F.)
basillaris, S.

CISIDÆ.

Cis, Latr.
pubescens.
Rhyzophagus, Herbst.
obsoletus.
Monotoma, Herbst.
one species.

MYCETOPHAGIDÆ.

Lyctus, F.
canaliculatus ? S. Striatus.
Bitoma, Herbst.
quadriguttata, S. Synchita quadriguttata, S.
Mycetophagus, F.
flexuosus, S.
nubilus.
Latridius, Herbst.
pubescens, S.
inermis.
impressicollis.
denticollis.
urceolus.
punctulatus.
dentatus, S. Silvanus dentatus, S.
Silvanus, Latr.
Surinamensis, L. frumentarius, F.
subdentatus.
Trogosita, F.
mutica, Pal. de Beauv.
cinnamomea, S.
depressior ? Pal. de Beauv.

CUCUJIADÆ.

Cucujus, F.
clavipes, O.
rufus, O.
biguttatus, S.

Dendrophagus, Gyllenhal.
impressus. Cucujus oblongus ? F.

Uleiota, Latr.
dubia, F.

Parandra, Latr.
brunnea, F.

CERAMBYCIDÆ.

Prionus, Geoffroy.
laticollis, Drury. brevicornis, F.
lævigatus.
unicolor, Drury. cylindricus, F.

Cerambyx, L. (Stenocorus, F.)
atomarius, Drury. Marilandicus, F.
cinctus, Drury. garganicus, F.
undatus, F.
quadrigeminatus, S.
rigidus, S.
putator, Peck. villosus ? F.
circumflexus, F.

Cerambyx (Clytus, F.)
speciosus, S.
nobilis.
pictus, Drury. Robiniæ, Forster. flexuosus, F.
fulminans, F.
undulatus, S.
villicus, O.
Ammon
hamatus, S.
caprea, S.
palliatus.
verrucosus, O. gibbosus, F.
erythocephalus, F.
supernotatus, S.
testaceus. (Not strictly a Clytus.)

Cerambyx (Callidium, F.)
foveicolle. atropos.
substriatus.
juvencus.
brevilineatus, S.
bajulus, L.
violaceus, L.
janthinus. iconicus.
cucujiformis.
varius, O. versicolor, Turton. undatus? L.
ligneus. F.
variabilis, L. fennicus, F.

Necydalis L. (Stenopterus, Illiger.)
rufa, L.

Necydalis (Molorchus, F.)
bimaculata, S.

Lamia, F.
confusa, S. Clytus confusus, S.

Lamia (Acanthocinus, Megerle.)
acanthura. undata. subfasciata.

Lamia (Acanthocinus, Megerle.)
obsoleta, O. DeGeer? fasciata? DeGeer. antennator? F. M. nigrum [and obliqua, Melsheimer.
contusa.
vittaticollis.
Lamia (Tetraopes, Sch.)
tetropthalma, Forster. tornator, F.
arator, Germar.
Lamia (Monochamus, D.)
titillator, F.
dentator? F. Caroliniensis? O.
sutor, L.
pruinosa.
bifasciata.
Lamia (Mesosa, Mergele.)
macula, S.
maculata.
alpha, S.
faceta, S.
aspersa, S.
Lamia (Saperda, F.)
calcarata, S.
obliqua, S.
vestita, S. Appendix to Long.
bivittata, S.
tridentata, O.
triuncata.
lateralis, F.
inornata, S.
plumbea, O. tripunctata, F.
tetramera.
Leptura, L. (Desmocerus, D.)
palliata, Forster. cyanea, F.
Leptura (Rhagium, F.)
lineata, O.
Leptura (Rhamnusium, Megerle.)
decolorata.
Leptura (Pachyta, Megerle.)
Leonardii.
cyanipennis, S.
dehiscens.
canaliculata.
præusta. proxima? S.
annulicornis.
Leptura (proper.)
atrata. æthiops.
annulata.
Canadensis, O.
velutina, O.
cordifera, O.
nitens, Forster. zebrata, F.
rubrica, S.
proxima? S. opaca.
vittata, O.
rubricollis.
ruficollis, S.
pubera, S.
nubila.
lineola, S

Leptura, (proper.)
scalaris, S.
luteicornis, F.
calceola.
Leptura (Toxotus, Megerle.)
cærulea, S.

CRIOCERIDÆ.

Donacia, F.
palmata, O. subtilis, Ahrens.
æqualis, S.
sulcicollis.
metallica, Ahrens. S.
chalybata.
pusilla, S.
Orsodachna, Latr.
vittata, S. the hepatica, S. is a variety.
Crioceris, Geoffroy.
trivittata, S. trilineata? S.
collaris, S.
Auchenia, Thunberg.
tripla, S. Orsodachna tripla, S.
tuberculata.

HISPIADÆ.

Hispa, L.
vittata, F.
suturalis, F.
quadrata, F. rosea, Weber. marginata, S.
corbula.
pallida, S.
obsoleta, S.

CASSIDADÆ.

Cassida, L.
Argus, Herbst.
clavata, F.
aurichalcea, F.
quadrisignata.
vicina. signifer.
convolvuli.

CHRYSOMELIADÆ.

Clythra.F.
dominicana, F.
quadriguttata, S.
Chlamys, Knoch.
gibbosa, F. plicata, F. tuberosa, Knoch.
Cryptocephalus, Geoffroy.
ornatus, S.
quadriguttatus, S.
quinquelineatus.
luridus, F.
promiscuus.
normatus. sexnotatus, Melsh.
prasinatus.
Eumolphus, Klüg.
auratus, F.
pini, S.
barbatus, S.
varians.
cochlearius.

Colaspis, F.
quercus, S.
decemnotata, S.
puncticollis, S.
ustulata.
quadrinotata, S.
imperita.
normalis.
striata, S.
ovata, S.

Chrysomela, L.
trimaculata, F.
scalaris, Leconte.
decipiens. Weber.
Philadelphica, F.
hybrida, S.
pulchra F.
elegans, O.
cæruleipennis, S.
teres.
vicina.

Chrysomela (Prasocuris, Latr.)
scripta, F.
arquata.
trivittata, S.

Chrysomela (Megalamera.)
rhois, Forster. meticulosa, O.

Galeruca, Geoffroy.
tomentosa, L. baccharidis, F.
puncticollis, S.
vittata, F.
gelatinariæ, F.
sordida.
rufosanguinea. S.
notulata.
notata, F.
duodecimpunctata, F.
meraca, S.

Galeruca (Adimonia, Schranck.)
circumdata.
unicolor.

Haltica, Geoffroy. (Ædionychis, Latr.)
thoracica, F.
abdominalis, O.
vians, S.
fimbriata, Forster. Suturella, S.
rugosa.
subvittata.
circumdata.
palliata.

Haltica (proper.)
Caroliniana, F. alternata? Illiger.
uniguttata, S. glabrata? F.
tæniata. horticola.
triangularis, S.
collaris, F.
collata, F.
ænea? O.
chalybea, Illiger. amethystina? O. vitivora, Thomas.
ignita, Illiger.
nana. S.

Haltica (proper.)
segetum.
pallidicauda.
striolata, F. var. bipustulata, F.
pubescens, Illiger.
Haltica (Dibolia, Latr.)
ærea.

EROTYLIDÆ.

Ropalocerus.
fasciatus.
Tritoma, F.
humerale, F.
biguttata, S.
Triplax, F.
thoracica, S.
Languria, Latr.
linearis.
Mozardi.
brevicollis.

ENDOMYCHIDÆ.

Endomychus, Weber.
lineatus, F. Eumorphus, distinctus, S.
angulatus, S. Eumorphus angulatus, S.
vestitus, S. Lycoperdina vestita, S.
ferrugineus, Leconte. Lycoperdina feruginea, Leconte.
biguttatus, S.
geminatus.

COCCINELLIDÆ.

Coccinella, L.
borealis, F.
mali, S.
novemnotata, F.
transversa.
transversoguttata.
bioculata, S.
geminata. clepsydra.
munda.
ursina. F.
vigintimaculata, S.
picta.
media.
proba. S.
abbreviata, F.
decemmaculata, F.
tibialis, S.
parenthesis, S.
ternaria. multiguttata.
Coccinella (Chilochorus.)
cacti, L.
normata, S.
Scymnus.
parvulus. brevis.
querci.
cissi.
Clypeaster, Andersch.
fasciatus, S.

II.—ORTHOPTERA.

FORFICULADÆ.

Forficula, L.
Two species.

BLATTIADÆ.

Blatta, L.
Americana, L.
Domingensis, Pal. de Beauvois.
orientalis, L.
Pensylvanica, DeGeer. rufescens, P. de Beauv.
bicolor? Pal. de Beauvois.
parallela.

MANTIADÆ.

Spectrum, Stoll.
femoratum, S.

ACHETADÆ

Gryllotalpa, Latr.
Americana.
Acheta, F.
tripunctata.
servilis.
Acheta, (Æcanthus, Serville.)
nivea, DeGeer.
bipunctata? DeGeer. cylindrica.

GRYLLIADÆ.

Gryllus, L. (Ephippiger, Latr.)
maculatus,
Gryllus (Pterophylla, Kirby.)
concavus, H.
oblongifolius, DeGeer. laurifolius, L.
curvicaudus, DeGeer.
agilis, DeGeer.
fasciatus? Degeer.
Gryllus (Conocephalus, Thunberg.)
tuberculatus? DeGeer. ensiger.

LOCUSTIADÆ.

Acrydium, Latr.
obscurum? F.
flavofasciatum? DeGeer. torvum.
sanguinipes? F.
femur-rubrum, DeGeer. erythropum, Gmelin.
femorale, O.
Locusta, L.
apiculata. tuberculata, P. de Beauv. F?
Carolina, L.
equalis, S.
sulphurea? F. periscelidis,
viridifasciata, DeGeer. { Virginiana, F. chrysomela, Gmelin. hemiptera, P. de Beauv. marginata, O.
sulphurea, Pal. de Beauv.
radiata.
eucerata.
cerineipennis.
curtipennis.

Tetrix, Latr.
laterale, S.
ornatum, S.
sordidum.
parvipenne.

III.—HEMIPTERA.

PENTATOMADÆ.

Scutellera, Lamarck. (Tetyra, F.)
alternata, S.
cinctipes, S. dubia? Pal. de Beauv.
Scutellera (Thyreocorus, Schranck.)
histeroides. unicolor? P. de Beauv.
Pentatoma, O.
arborea, S.
Pensylvanica? DeGeer. hilaris. Tiliæ.
obesa. delia.
punctipes, S. conspersa. serva.
punctipes, Pal. de Beauv.
senilis.
saucia.
inserta.
nervosa.
dimidiata.
undata.
clauda, S.
exapta, S.
icterica, L.
maculiventris.
serieventris.
carnifex, F.
Pentatoma (Cydnus, F.)
spinifrons, S.
ligatus, cinctus? Pal. de Beauv.
bilineatus, S.

COREIDÆ.

Coreus, F.
galeator, F.
tristis, DeGeer. ordinatus S.
lateralis, S.
catenarius.
striatipennis.
Lygæus, F. (Alydus, F.)
eurinus, S.
vittinasus.
Lygæus (Anisoscelis, Latr.)
prominulus.
Lygæus (Berytus, F.)
spinosus? S. muticus.
Lygæus (proper.)
turcicus, F.
numenius.
geminatus.
Lygæus (Pachymera, Lepeletier and Serville.)
constricta.
bilobata.
mavortia. (Astemma?)

Salda, F.
pedunculata.
bullata.
Myodocha, Latr.
petiolata.
Astemma, Latr.
coracina. (Miris?)
Miris, F.
flagellatus,
dorsalis.
vagans? F.
brevidapex.
bivittatus.
Capsus, F.
rapidus.
inops.
quadrivittatus.
invitus.
oblinitus.
cardinalis.
testudineus.
lugubris.
dislocatus.
sanguinarius.
trifidus.
insitivus.
virens? F
famelicus..
bracteatus.
alticus. (Perhaps not of this genus.)

CIMICIDÆ

Syrtis, F.
erosa, F.
Tingis, F.
marmoratus.
Aradus, F.
sanguineus.
penultimus.
muticollis.
Cimex, L.
lectularius, L.
Reduvius, F.
personatus? L. mimicus.
pectoralis.
cinctus, F.
diadema, F.
multispinosus, DeGeer. raptorius, S.
Reduvius (Nabis? Latr.)
pectoralis.
Reduvius (Zelus, F.)
acanthogonius.
Reduvius (Ploiaria, Scopoli.)
simplicipes.
brevipennis, S. longipes? DeGeer.
errabundus.
Leptopus, Latr.
alternatus.

Acanthia, Latr.
coriacea.

HYDROMETRADÆ

Gerris, F.
remigis:
marginatus.
humilis.

Velia, Latr.
collaris.

NEPADÆ.

Belostoma, Latr.
Americana? F. grisea.
sordida.
fluminea.

Nepa, L.
apiculata.

Ranatra, F.
fusca, Pal. de Beauv.

NOTONECTIADÆ.

Notonecta, L.
Americana, F.
maculata, O. lineata? Forster.
undulata.

Notonecta (Corixa, Geoffroy.)
interrupta, S.
alternata, S.

IV.—OMOPTERA.

CICADIADÆ.

Cicada, O.
tibicen? L.
pruinosa, S.
septemdecem, L.

FULGORIADÆ.

Otiocerus, Kirby
Coquebertii, Kirby.
DeGeerii, Kirby.

CERCOPIADÆ.

Flata, F.
bivittata, S.
stigmata, S.
pruinosa,
opaca.

Membracis, F.
bimaculatus, F.
monticola? F. Cissi.
urticæ.
bubalus, F.
taurinus.
festivus.
arquatus.
latipes, S.
binotatus, S.
sinuatus, F.
concavus, S.
marmoratus.
univittatus.
vau.

Cercopis, F. (Aphrophora, Germar.)
obtusa, S.
quadrangularis, S.
parallela, S.
ignipecta.
Jassus, F.
semindus.
clitellaria.
novellus.
subfasciatus.
farctus.
areatus.
immistus.
irroratus.
Tettigonia, O.
octolineata, S.
unilineata.
mellipes.
quadrivittata.
coccinea, Forster.
hieroglyphica.
vitis, H. basilaris? S.
squalisimila.

APHIDIDÆ.

Thrips, L.
one species.
Aphis, L.
caryæ.
and many other species.
Aphis (Eriosoma, Leach.)
lanigera, L.

COCCIADÆ.

Coccus, L.
arborum linearis, Geoffroy.
cryptogamus, Dalman.
Hesperidum, L.
Adonidum, L.
and others undetermined.

V.—NEUROPTERA,

LIBELLULADÆ.

Libellula, L.
pulchella, Drury. bifasciata, F. versicolor? F.
Lydia, Drury. trimaculata, DeGeer. F?
quadrupla.
pruinosa. trimaculata? F.
exusta.
semicincta.
tenera.
ternaria.
rubicunda.
cynosura.
Berenice, Drury.
Julia.
rubicundula.
simplicollis.
Æshna, F.
heros, F.
Æshna (Gomphus, Leach.)
Junius, Drury.
clepsydra.

Æshna (Gomphus,) L.
obsoleta.
furcillata.
janata.
fraterna.
vinosa.
obliqua.
transversa.
Agrion, F.
materna. virgo gamma, Drury.
fugitiva.
Agrion, (Calepteryx, Leach.)
opaca.
æquabilis.
Agrion (Lestes, Leach.)
eurina.
basalis.
rectangularis.
hastata.
verticalis.
insipiens.

EPHEMERADÆ.

Ephemera, L. (Baetis, Leach.)
eurina.
fuscicostata.
confusa.
amœnicauda.
luteipennis.
Ephemera (Cloeon? Leach.)
leuconeura.
scripticostata.
Ephemera (proper.)
bispinosa.

PANORPIADÆ.

Panorpa, L.
fasciata, L.

MYRMELEONTIDÆ.

Ascalaphus, F.
maculatus? O.

HEMEROBIIDÆ.

Hemerobius, L.
irroratus, S.
mononeurus.
perla? L.

SEMBLIADÆ.

Corydalis, Latr.
cornutus, L.
Chauliodes, Latr.
pectinicornis, L.
denticornis.
serricornis, S.
Sialis, Latr.
maurus.

PERLIADÆ.

Perla, Geoffroy.
immarginata, S. (Sialis.)
isogona.
semifasciata.

Perla, (Nemoura, Latr.)
convoluta.
debilipennis.

MANTISPIADÆ.

Mantispa, Illiger.
pagana, S.

TEMITIDÆ.

Termes, L.
agrarius.
domesticus.
Psocus, F.
gregarius.
Atropos, Leach.
pulsatorius, L.

PHRYGANEADÆ.

Phryganea, L.
semifasciata, S
subfasciata, S.
radiata.
argenteornata.
intaminata.
coagulata.
elongatula.
sericea.
stygipes.
plurifaria.
dislocata.
obsoleta.
debilipes.
undulata.
quadrula.
Phryganea (Leptocerus, Leach.)
variegata. hieroglyphica.
maculicornis.
tarsata.
nubila.
alternicornis.

VI.—HYMENOPTERA.

TENTHREDINIDÆ.

Cimbex, O.
Americana, Leach.
ulmi.
Tenthredo, L. (Schyzocera, Latr.)
calceola.
Tenthredo (Lophyrus, Latr.)
compar? Leach. Americana? Leach.
flavida.
Tenthredo (Hylotoma, F.)
Macleayi? Leach.
pectoralis, Leach.
clavicornis, F.
erythrosoma? Leach. scutellata.
Tenthredo (Allantus, Jurine.)
sambuci.
verticalis? S.
basilaris? S.

Tenthredo (Allantus, Jurine.)
media.
tacita.
melisoma.
trosula.
rufipes, S.
trisyllabus.
atroviolacea.
obesa.
marginicollis.
coronata.
tarda.
Tenthredo (Selandria, Leach.)
vitis, H.
barda.
pygmæa.
cerasi, Peck.
halcyon.
Tenthredo (Dosytheus, Leach.)
sericea, S.
unicolor? P. de Beauv.
arvensis, S.
collaris, S.
bicolor, P. de Beauv.
aprica.
Tenthredo (Emphytus, Leach.)
inornata, S.
tarsata.
mellipes.
aperta.
Tenthredo (Cræsus, Leach.)
septentrionalis, F.
Tenthredo (Nematus, Jurine.)
integra.
melanocephala.
ventralis.
pallicornis.
fulvipes.
labrata.
stigmata.
monochroma.
Tenthredo (Cladius, Klug.)
isomera.
dorsalis. (Acordulecera.)
Tenthredo (Lyda, F.)
maculiventris.
circumcincta, Klug.
ochrocera.
scripta, S. Tarpa scripta, S.
rufofasciata.
calceata.

XIPHYDRIADÆ.

Xyela, Dalman.
ferruginea, S,
infuscata.
Cephus, Latr.
abbreviatus.
integer.

Cephus, Latr.
heteropterus.
filicornis.
Xiphydria, Latr.
albicornis.
mellipes.

UROCERIDÆ.

Oryssus.
hæmorrhoidalis.
maurus.
affinis.
Sirex, L.
albicornis, F.
abdominalis.
Sirex (Tremex, Jurine.)
columba, L.

EVANIADÆ.

Fænus, F.
irritator.
Evania, F.
appendigaster? Latr.
Pelecinus, Latr.
polycerator, F.
clavator, Latr.

ICHNEUMONIDÆ.

Pimpla, F.
atrata, F.
lunator, F.
irritator, F.
Cryptus, F.
annulipes,
mellipes,
facilis.
inquisitor, S.
ectypus.
hispæ.
pleuriticus.
versicolor.
polyspeirus.
leucotelus.
facetus.
calceatus.
laxus.
velox.
tenellulus.
cardinalis.
crescentus.
bucephalus.
clyti.
subclavatus.
palmapectus.
subspinosus.
isochromus.
attractus.
recurvulus.
spinulosus.
Ophion, F.
bilineatus, S.

Ophion, F.
- geminatus, S.
- vitticollis.
- dentulatus.
- cecropiæ.
- glabratus.
- mundus.
- flavicornis, S. Anomalon flavicornis, S.
- morio, F.
- analis, S.
- relictus, F.

Ichneumon, L. (Trogus Panzer.)
- fulvus ? F. pennator ? F. ischiadicus.
- atratus.

Ichneumon (proper.)
- concitator S.
- devinctor, S.
- multor, S.
- basiator, S.
- alternator, S.
- centrator, S.
- cingor. S.
- unifasciatorius, S.
- lusorius, S.
- dimelapsus.
- stolophorus.
- extaricus.
- calitergus.
- ferrugator, Swederus.
- residuus, S.
- brevinctor, S.
- emarginatus.
- orbitarius.
- mellipectorius.
- melisomus.
- spatiosus.
- emarginatulus.
- platicerus.
- leucopterus.
- plantaris.
- eurostus.
- biarquatus.
- ligatus.
- vau.
- surcularis.
- trichocerus.
- suturalis.
- metathoracicus.
- otiosus, S.
- impiger.
- milvus.
- paratus.
- hospes.
- morulus.
- petiolatus.
- exulans.
- famelicus.
- baculus.
- mellilabrus.
- anxifer.
- aleatorius.
- ales.

Acænitus, Latr.
amœnus.
Bracon, F.
populator ? S. maturor.
rugulosus.
operculatus.
palpatorius.
Mierogaster, Latr.
carpata.
Sigalphus, Latr.
puppius.
patulus.
socius.
Chelonus, Jurine.
corrugatus.
sericeus.
dislocatus. (Not strictly a Chelonus.)

DIPLOLEPIDIDÆ.

Ibalia, Latr.
maculipennis.
Figites, Latr.
pini.
melisoma.
Diplolepis, Geoffroy.
nubilipennis.
flagellatus.
impolita.
devius.
potentillæ.
dichocerus.
semipicea.
oneratus.
confluentus.

CHALCIDIDÆ.

Leucospis, F.
affinis, S.
Chalcis, F.
octonotata.
Torymus, Dalman.
semiauratus.
azaleæ.
amethystinus.
Perilampus, Latr.
hyalinus.
Pteromalus, Latr.
arctiæ.
vanessæ.
clisiocampæ.
lepturus.
obesus.
Eurytoma, Illiger.
hordei, H.
studiosa.
Eulophus, Geoffroy.
one species.

PROCTOTRUPIADÆ.

Proctotrupes, Latr.
cordatus, S.

Psilus, Jurine.
terminatus.
Ceraphron, Jurine.
platycephalus.

CHRYSIDIDÆ.

Chrysis, L.
pacifica, S.
cærulans, F.
Chrysis (Hedychrum, Latr.)
speculum.

FORMICIADÆ

Formica, L.
Pensylvanica, DeGeer. herculeana? F.
melineura.
incisuralis.
quadrata.
subsericea.
bilobata.
petulca.
Formica (Myrmica, Latr.)
inflecta.

MUTILLIADÆ.

Mutilla, L.
ferrugata? F.
pervaga.
undulata.
dislocata. (Not strictly a Mutilla.)
Mutilla (Myrmosa, Latr.)
unicolor, S.
Mutilla (Methoca, Latr.)
pacalis.

SCOLIADÆ.

Tiphia, F.
tarda.
inornata, S.
Plesia, Jurine.
costata.
Scolia, F.
plumipes, Drury.

SAPYGIADÆ.

Sapyga, Latr.
peptica.
centrata.

POMPILIADÆ.

Cerophales, Latr.
bipunctata, S.
denticulata.
piciventris.
Pompilus, F.
tropicus? F. marginatus? S.
atroviolaceus.
tarsatus.
solicitus.
vafer.
biguttatus, F.
architectus.
speirapterus.

Pompilus, F.
debilis.
Miscus, Jurine.
stygicus.
petiolatus.

SPHEGIADÆ.

Sphex, L. (Ammophila, Kirby.)
conditor. fulvicaulis.
lugubris,
gryphus.
Sphex (proper.)
ichneumonea, L.
Pennsylvanica, Pal. de Beauv.
labrosa.
apicalis. (Probably not a true Sphex.)
Sphex (Pelopæus, F.)
flavipes, F.
cærulea. L. cyanea, F.
affinis, F.

BEMBICIDÆ.

Bembex, F.
fasciata, F.
Monedula, Latr.
ventralis? S. vigilans.

LARRIADÆ.

Lyrops, Illiger.
aurulenta.
Larra, F.
argentata, Pal. de Beauv.
Pennsylvanica, Pal. de Beauv.
subita.
Astata, Latr.
unicolor, S.
Nysson, Latr.
laterale.
Tripoxylon, Latr.
clavatum.
atritarse.
Oxybelus, Latr.
quadrinotatus, S.
emarginatus.

CRABRONIADÆ.

Crabro, F.
decemmaculatus, S.
glauconotatus.
sexmaculatus, S.
confertus.
famelicus.
complanatus, S,
gryphus.
argus.
pegasus.
pusillus.
scutellatus, S.
tibialis, S.
Cemonus, Jurine. (Pemphredon, F.)
concolor, S. Pemphredon concolor, S.

Cemonus.
inornatus, S.
annulatus. (Stigmus?)
Mellinus, F.
bimaculatus.
Cerceris, Latr.
deserta, S.
baridius.
Philanthus, F.
vertilabris, S.
obsoletus.
viatus.
impunctatus.
erratus.

VESPIADÆ.

Vespa, L. (Odynerus, Latr.)
quadricornis, L. cincta, DeGeer. uncinata, F.
pluricincta.
incincta? F.
Dædalus.
oculata.
parietina? L.
debilis.
distans. } allied species not strictly
flavicornis. } belonging to Odynerus.
atricornis. }
Vespa (Eumenes, Latr.)
fraterna, S.
Vespa (Polistes, F.)
fuscata, F.
promethea.
Vespa (proper.)
maculata, L.
fraterna. arenaria? L.
maculifrons.
cuneata, F.
inæqualis.

ANDRENIADÆ.

Andrena, F.
sericea, Forster. viridula, F.
nigricornis, F.
smaragdina.
amœna.
furva.
calceata.
ludibunda.
paganica.
fulviana.
ligata.
agilis.
opposita.
dubia.
mera.
inornata.
flavinasus.
leucopus.
frugalis.
noticauda.

Andrena (Sphecodes. Latr.)
dichroa.

APIDÆ.

Xylocopa, F.
victima.
Ceratina, Latr.
dupla.
Megachile, Latr.
latimana, S.
subsinuosum.
integrum.
dimidiatum.
Osmia, Panzer.
lignaria.
pacifica.
Stelis, Panzer.
interrupta.
Cælioxys, Latr.
octodentata, S.
Epeolus, F.
mercatus, F.
donatus.
Nomada, F.
decora.
vincta.
interrupta.
bisignata, S.
Melecta, Latr.
inermis.
Eucera, Latr. (Melissodes, Latr.)
tibialis.
pruinosa.
erratica.
rustica.
sexdentata.
Bombus, F.
Americanorum, L.
elatus. F.
dimidiatus.
Virginicus, F.
fervidus, F. nidulans? F.
culior.
impatiens.
ternarius.
Apis, L.
mellifica, L.

VII.—LEPIDOPTERA.

PAPILIONIADÆ.

Papilio, L.
Turnus, L.
Asterius, Cramer.
Troilus, L.
Pontia, F.
oleracea, H.
Colias, F.
Philodice, Godart.

Argynnis, F.
Idalia, Drury.
Aphrodite, F. *var.* Daphnis, Cramer. Cybele, F.
Melitæa, F.
Phaeton, Drury.
Myrina, Cramer.
Cocyta, Cramer. Pharos? Drury. Tharos? Cr.
Vanessa, F.
Antiope, L.
urticæ, L.
interrogationis, F.
Progne, Cramer and Godart.
furcillata, S.
Cynthia, F.
Atalanta, L.
cardui, L.
Huntera, F. belladona, Petiver. Iole, Cr.
Lavinia, F. Orythia, Smith—Abbot.
Hipparchia, F.
Alope, F. & Godart.
Andromacha, Hubner.
Eurytris, F. Cymele, Cramer.
semidea, S. fortunata? F.
Limenitis, F.
Ephestion, Stoll. Ursula, F.
Arthemis, Drury.
Misippus, L.
Danaus, Latr.
Archippus, F. Plexippus, Cramer.
Lycæna, F.
phlæas? L.
Thecla, F.
Damon, Cramer.
Pan? Drury.
and five more species.
Polyommatus, Latr.
Argiolus, L.
and two more species.

HESPERIADÆ.

Hesperia, F.
Clarus, Cramer. Tityrus, F.
Bathyllus, Smith-Abbot.
Juvenalis, F.
Juvenalis, *var.* Smith-Abbot.
and eight more species.

SPHINGIADÆ.

Smerinthus, Latr.
excæcata, Smith-Abbot.
integerrima.
myops, Smith-Abbot.
geminata, S.
juglandis, Smith-Abbot.
Sphinx, L.
lineata, L.
epilobii.
Carolina, L.
ligustri? L.
gordius, Cramer.

Sphinx, L.
kalmiæ, Smith-Abbot.
Crantor, Cramer. Achemon, Drury.
satellitia, L. Licaon? Cramer.
Hylæus, Drury. prini, Smith-Abbot.
pampinatrix, Smith-Abbot. Myron? Cr.
azaleæ? Smith-Abbot. Chœrilus? Cr.
and three more species.
Thyreus, Swainson.
Abbotii, Swainson.
Macroglossa, Scopoli.
Nessus, Cramer.
Sesia, F.
pelasgus, Cramer.

ÆGERIADÆ.

Ægeria, F.
tricincta.
cucurbitæ, H.
exitiosa, S. persicæ, Barton.
fulvicornis, S.
fulvipes.
pyri, H.
tipuliformis, L.
and four more species.
Thyris, Illiger.
maculata.

ZYGÆNIADÆ.

Glaucopis, F.
pholus, F.
Aglaope, Latr.
dispar.

BOMBYCIADÆ.

Hepialus, F.
argenteomaculatus.
Cossus, F.
robiniæ, Peck.
crepera.
Attacus, Germar.
Luna, L.
Polyphemus, L.
cecropia, L.
Promethea, Drury.
Saturnia, Schranck.
Proserpina, F.
Io, F.
Ceratocampa. (Ceracampa, Kirby.)
regalis, F.
imperialis, F.
Dryocampa.
senatoria, Smith-Abbot. Astynome? O.
rubicunda, F.
Gastropacha, Ochsenheimer.
velleda, Stoll.
and another species.
Clisiocampa, Curtis.
castrensis, Smith-Abbot.
neustria, Smith-Abbot.
pyxidifera? Smith-Abbot.

Bombyx, F.
mori, L.

NOTODONTIADÆ.

Pygæra ? Och.
albifrons, Smith-Abbot.
ministra, Drury.
and another species.

Notodonta, Och.
anguina, Smith-Abbot.
concinna, Smith-Abbot.
unicornis, Smith-Abbot.
aurora, Smith-Abbot.
grata, F. (Not strictly a Notodonta.)
and four more species.

Clostera, Hoffmansegg.
two species.

Cerura, Schranck.
two species

Limacodes, Latr.
scapha.
and another? species.

ARCTIADÆ.

Arctia, Schranck.
isabella, Smith-Abbot.
acria, Drury. male, caprotina, Drury.
Virginica, F.
textor, H.
virgo, Smith-Abbot.
phyllira, Smith-Abbot.
figurata, Drury.
phalerata,
Egle, Drury.
tessellaris, Smith-Abbot.
caryæ.
and another species.

Dasychira ? Hübner.
firmiana. Cramer. torrefacta, Smith-Abbot
and another species.

Orgyia, Och.
antiqua? L.
and two more species.

LITHOSIADÆ.

Psychemorpha.
maculata.

Callimorpha ? Latr.
militaris.

Lithosia, F.
Bella, L.
and seven more species.

NOCTUADÆ.

Erebus, Latr.
odorus, Drury.

Catocala, Och.
nupta, L.
consors, Smith-Abbot.
Epione, Drury.
and six more species.

Noctua, F.
pyramidea? L.
aceris, Smith. Abbot.
devastator, Brace.
oleracea.
verruca, F.
iota, Cramer.
cingulata.
brassicariæ? F.
libatrix, F.
Emmedonia, Cramer.
Erichtea, Cramer.
lunata, Drury.
squamularis, Drury.
and ninety more species.

GEOMETRADÆ.

Geometra, Hübner.
vernata, Peck. brumata? L.
catenaria, Drury.
undulata? F.
sospeta, Drury.
transversata? Drury.
vibicaria? Cramer.
serrata, Drury.
and fifty nine more species.

Platypteryx, Laspeyeres.
erosa.

PYRALIDÆ.

Herminia, Latr.
eight species.

Margaritia? Stephens.
one species.

Pyralis, Hübner.
farinalis, L.
atralis? F.
and five more species.

TORTRICIDÆ.

Tortrix, Hübner.
pomona, L.
and thirty two more species.

TINEADÆ.

Galleria, F.
cereana, F.
and three more species.

Crambus, F.
nivalis, Drury.
humuli.
aspergillus, Coquebert, Bosc.
and twenty six more species.

Yponomeuta, Latr.
two species.

Tinea, L.
glandis.
pellionella, L.
and ten more species.

Pterophorus, Geoffroy.
four species.

VIII.—STREPSIPTERA.

Xenos, Rossi.
Peckii, Kirby.

IX.—DIPTERA.

CULICIDÆ.

Culex. L.
cingulatus, F. molestis, Wiedeman.
damnosus, S.
colon.
ciliatus, F.
pungens? W.
Anopheles, Meigen.
guttulatus. quadrimaculatus? S. var.

TIPULADÆ.

Chironomus, Meig.
albitarsis.
claracollis.
lateralis.
Tanypus, Meig.
biplagiatus.
Ceratopogon, Meig.
debilipes.
Ctenophora, Meig.
abdominalis, S.
Pedicia, Latr.
goniphora. rivosa? L.
Tipula, L.
alternata, S.
nubilis.
trivittata, S.
flavicans, F.
alternata.
ferruginea, F.
tricolor, F.
vittipennis. tricolor? F.
Ptychoptera, Meig.
clavipes, L.
Limnobia, Meig.
monochroma.
rostrata, S.
Trichocera, Meig.
scutellata? S. Campylomyza scutellata? S.
Chionea, Dalman.
valga.
Rhyphus, Latr.
alternatus, S.
Mycetophila, Meig.
discoida, S.
Leia, Meig.
triplagiata.
ziczac.
Sciara, Meig.
obscura.
Simulium, Latr.
calceatum.

Scatopse, Geoffroy.
nitida.
Penthetria, Meig.
lugubris.
Dilophus, Meig.
fraternus.
Bibio, Geoffroy.
femorata, Wied.
brunnipes, F.
albipennis, S.
articulosa.

ASILIADÆ.

Asilus, L. (Laphria, Meig.)
thoracicus, F.
atribarbis, S.
flavicollis, S.
posticatus, S.
fulvicauda, S.
sericeus, S.
tergissus? S.
glabratus? S.
flavicollis, S.
saffranus, F.
glabratus, S.
Asilus (Dioctria, Meig.)
octopunctatus, S.
Asilus (proper.)
sericeus, S.
heros? W.
æstuans, L.
vorax.
apicalis, W.
glauconotatus.
ansatus.
Hybos, Meig.
elevatus.
Empis, L. (Ramphomyia, Meig.)
atritarsata.
Cyrtus, Latr. (Acrocera, Meig.)
obesus.
Cyrtus (Henops, Illiger.)
fasciatus.

ANTHRACIDÆ.

Bombylius, L.
æqualis, F.
fulvus, W.
Anthrax, Scopoli.
morioides, S.
scapularis.
analis? S.
lateralis, S.

RHAGIONIADÆ.

Thereva, Latr.
plagiata.
nigra, S.
notata, W.
aurata.
frontalis, S.

Leptis, F.
ornata, S.
humeralis.
trifasciata.
auricincta.
plumbea? S.

DOLICHOPIDÆ.

Dolichopus, Latr.
atricornis.
Porphyrops, Meig.
quadriplagiatus.
Psilopus, Meig.
sipho, S. Dolichopus sipho, S.
scutellatus.
Platypeza, Meig.
appendiculata.
Scenopinus, Latr.
pallipes, S.

TABANIADÆ.

Tabanus, L.
atratus, F.
cinctus, F.
lineola, F.
divisus.
lieneatus, F.
molestis? S.
Chrysops, Meig.
ferrugatus? F. vau.
confusus.
vittatus, W.
ischiacus.

XYLOPHAGIDÆ.

Mydas, F.
filata, L. clavata? Drury, F.
Xylophagus, F.
heros.
fascipennis.
politus.
incisuralis.
Cœnomyia, Latr.
pallida, S.
Beris? Latr.
fuscitarsis.

STRATYOMYADÆ.

Stratyomys, Geoffroy.
viridicincta.
abdominalis.
intermedia, W.
ischiaca.
amœnifrons.
quadripunctata.
Sargus, F.
scutellatus.
decorus, S.

SYRPHIADÆ.

Volucella, Geoffroy.
basalis.
Sericomyia, Meig.
tuberculata.
Eristalis, Meig,
pterelas.
fascicollis.
posticatus? F.
sincerus.
pervagus.
saxorum.
Helophilus, Meig.
appensus.
Syrphus, Latr. (Scæva, F. and Say.)
concavus, S.
quadratus, S.
lachrymosus, S.
vittatifrons.
teretus,
simulatus.
angulatus.
encaustus.
cylindricus, S.
obliquus.
geminatus? S.
marginatus? S.
Chrysogaster, Meig.
ruficornis.
Baccha, Meig.
aurinota.
Sphecomyia, Latr. (Pyrgota? W.)
undata.
valida.
Psarus, Latr.
quadrifasciatus, S. Paragus quadrifasciatus, S.
Merodon, Meig.
bardus, S. Milesia barda, S.
tudicornis.
curvipes. W.
Xylota, Meig.
ejuncida, S.
proxima, S.
hæmatodes, S.
Milesia, Latr.
ornata, F.
obliqua.
excentrica.
analis.
ischiaca.
verbosa.
gnava.
Rhingia, Scopoli.
nasica, S.

ŒSTRIADÆ.

Œstrus, L.
- buccatus, F. cuniculi? Clarke.
- equi, L.
- ovis, L.
- bovis, L.

CONOPIADÆ.

Conops, L. (Systropus? W
- sagittaria, S.
- interrupta.

Myopa, F.
- vesiculosa.

Stomoxys, Geoffroy.
- calcitrans? L.
- pallida.

MUSCIADÆ.

Echinomyia, Duméril.
- obesa. bombylans? F.
- tessellata? F.

Gonia, Meig.
- vertebrata.
- basalis.
- tarda,

Gymnosoma, Meig.
- rotundata, L.

Trichopoda, Latr.
- jugatoria, S. Phasia jugatoria, S.

Ocyptera, Meig.
- lateralis.
- galerucæ. (Perhaps not a true Ocyptera.)

Melanophora, Meig.
- stygia.

Tachina, F.
- plagiata.
- algens, W.
- vivida. hirta? Drury.
- futilis. vanessæ.
- noctuæ.
- conica.
- incauta.
- rubidapex.
- errabunda.

Dexia, Meig.
- lateralis.

Musca, L.
- vomitoria, L.
- domestica? L.
- harpyia.
- regina? Meig.
- amœna.
- hirticollis.

Sarcophaga, Meig.
- carnaria, L.
- Georgina, W.

Anthomyia, Meig.
- lunatifrons.

Anthomyia.
timida.
notatifrons.
calceola.
ischiaca.
reces. raphani.
goniphora.
lenis.
Borborus, Meig. (Sphærocera? Latr.)
planipes.
Cordylura, Fallen.
placida.
Scatophaga, Latr.
postilena.
Loxocera, Latr.
atricornis.
Lissa, Meig. (Lissomyia, Say, Mss.)
polita.
Tetanura, Meig.
pallida.
Sapromyza, Fallen.
subfasciata.
Tetanocera, Duméril.
cauta.
cribraria.
Calobata, Meig.
antennæpes, S.
agilis.
Diopsis, L. (Sphyracephela, Say.)
brevicornis, S.
Sepsis, Fallen.
cylindrica, F.
putris, L.
Ortalis, Fallen.
cerasi, L.
colon.
nuphera.
Trypeta, Meig.
sepentaria.
tribulis.
quadrifasciata.
trifasciata.
cinctipes.
albiscutellata.
picta, F.
Lauxania, Latr.
lapsans.
Lonchæa, Fallen.
polita.
Phora, Latr.
velox.

HIPPOBOSCIADÆ.

Olfersia, Leach.
Americana, Leach.

X.—APTERA.

Pulex, L.
irritans, L.

The first edition of the preceding list of insects was chiefly prepared during the year 1830; but, before its publication in 1833, all the species, whether named or not, which were included in the several orders, were enumerated as below.

I. Coleoptera	994
II. Orthoptera	44
III. Hemiptera	102
IV. Omoptera	54
V. Neuroptera	91
VI. Hymenopetera	388
VII. Lepidoptera	428
VIII. Strepsiptera	1
IX. Diptera	247
X. Aptera	1
	2350

I believe this to be the first instance in which the public has been presented with any thing like a complete list of the insects of any part of our country;* and, in making this and the subsequent attempt, I have had before me not one of the numerous catalogues of insects which have been published in Europe. Many of the most valuable, important, and standard works on Entomology are known to me only by name! they are beyond the means of an individual to procure, and are not to be found in our public libraries, which are lamentably deficient in the most approved works on this subject. In the present state of the science, entomology cannot advantageously be pursued without books, and collections from other countries for study and comparison: for the want of these the second edition of this catalogue, though much enlarged, is very far from being complete; a great number of our insects have necessarily been left without names, it being found impossible, without consulting authorities inaccessible to me, to refer them even to their proper genera. This is more particularly the case with the Lepidoptera, the list of which is now reprinted without alteration from the first copy.

To the names of insects, which have been ascertained by means of published descriptions, are annexed the names or initials of the *first* describers, together with some of the most common Synonyms which have been imposed by subsequent entomologists. Those without such authorities are, so far as I can ascertain with my limited means of information, new species, which remain to be described hereafter. In those cases where two or three different names have been proposed for an undescribed insect I have thought proper to retain them, on account of the uncertainty as to which will be finally adopted and sanctioned when the insect is described.

Mr. Say, the author of the 'American Entomology,' has done me the honor to name a large number of my new species, and has rendered me important assistance in determining many of the genera, particularly in the orders Omoptera and Diptera.

It is not improbable that some species, which are to be found in collections in this vicinity, are omitted in the catalogue; for in drawing it up, (with the exception of a few remarkable insects, which a single examination sufficed to determine and fix in the recollection,) I have deemed it expedient, on account of the importance of having them always accessible for the purpose of examination and comparison, to confine myself to the insects in my own collection. I have included in the catalogue some insects which, though found beyond the boundaries of the State, may eventually be detected in Massachusetts. For these, and an immense number of duplicates, I am indebted to my friend the Rev. L. W. Leonard of Dublin, N. H., who has still more increased my obligations to him by his disinterested liberality in sending me even the rare and undescribed insects of which he possessed no duplicates. Dr. D. S. C. H. Smith has kindly supplied me with a suit of insects from Sutton, Mass., among which were nearly a hundred species new to my collection. My acknowledgments are due also to Wm. Oakes, Esq.,

* The Catalogue of the Rev. F. V. Melsheimer, the only one which has ever been published, is confined to the Coleoptera, and was printed at Hanover, Pennsylvania, in 1806.

of Ipswich, particularly for the water-beetles; and to Prof. N. M. Hentz, formerly of Northampton, to Drs. Pickering, Gould, and J. S. C. Greene, Mr. John Randall, Mr. T. Nuttall, Mr. John Bethune, and Miss D. Dix, for several interesting insects. Even with these valuable accessions the present list must fall very far short of the actual number of species or kinds existing in this Commonwealth. The proportion of insects to plants has been stated to be six species of the former to one of the latter. The flowering plants of Massachusetts amount to above 1200 species; hence our insects cannot be much less in number than 7000 species.

T. WILLIAM HARRIS,
Librarian of Harvard University.

Cambridge, (Mass.) Oct. 16, 1834.

IX.—RADIATA.

This extensive class of animals has yet received but little attention in Massachusetts; comprehending, as it does, creatures of not much use to man, and for the most part inhabiting places out of the reach of common observation. In respect to some of them, also, it seems not yet to be agreed, whether they ought to be regarded as animals or plants. Through the assistance of Dr. Gould, I am able to mention a few genera and species. But I hope the deficiency of the list will lead those naturalists, who are favorably situated for examining these animals, to enlarge and perfect it.

I.—ECHINODERMATA.

Asterias.
spinosus, Say. *Sea-Star.* Whole coast.
Echinus.
granulatus, Say. *Sea-urchin.* do.
Scutella.
pentaphora. Beaches on the whole coast.

CLASS II.—ENTOZOA.

Filaria.
many species.
Tricocephalus.
dispar, Rudolphi. Inhabiting man.
Ascaris.
lumbricoides, Lin. do.
vermicularis, Lin. do.
mystax, Rud. Inhabiting the cat.
Strongylus.
gigas, Rud. Kidneys of the Mink, &c.
Planaria.
several species.
Tænia.
solium.
tata. } Tape Worm, in man.
Tænia.
inhabiting the cat.
Cysterus.
cellulosæ, Gmel. On hogs, producing measles.
Cænurus.
cerebralis, Gmel. Brain of Sheep, producing the staggers.

CLASS III.—ACALEPHA.

Cyanea.
aurita, L. Sun fish—common.
one other Medusa.

CLASS IV.—CARNOSI.

Actinia.
marginata, Say. Nahant. *Sea anemo ne.*
Lucernaria.
one species. Northern coast.

CLASS V.—POLYPI.

Flustra.
one species, on sea weed, &c.
Corallina.
officinalis, attached to rocks shells, &c.
Spongia.
racemosa. Chelsea Beach.
fluviatilis, L. in ponds. Leverett, & Chesterfield.
one more, Boston Harbor.

CLASS VI.—INFUSORIA.

Vibrio.
glutinis, paste.
aceti, vinegar.
and numerous other species.

X.—CATALOGUE OF PLANTS,

GROWING WITHOUT CULTIVATION.

In the arrangement of the following Catalogue, I have followed,—as the latest and most accurate,—the Natural System of Prof. Lindley, as adapted to North American Plants by Prof. Torrey. The sources from which I have derived materials for constructing this list, are mainly the following; First, Professor Bigelow's 'Collection of Plants of Boston and its vicinity.' (1824.) Secondly, 'A Catalogue of Plants Growing without cultivation in the vicinity of Amherst College;' (1829,) with such additions and corrections as I have been able to make since the time of its publication. Thirdly, Professor Dewey's Catalogue of Plants found in the County of Berkshire, (1829,) inserted in the History of Berkshire. Fourthly, the manuscript communications of Thomas A. Greene Esq. containing a notice of such plants as he has discovered in the vicinity of New Bedford and on the Island of Nantucket, not mentioned in the last edition of Bigelow's 'Florula Bostoniensis.'

To the Latin or scientific names of the plants, I have attached their common names, whenever I could ascertain that they have excited attention enough to receive a common name. But it will be seen that comparatively few of our plants have received common names.

When a capital A. is attached to a species, it implies that the plant grows in the vicinity of Amherst: B. implies that it occurs in the vicinity of Boston: N. B. that it is found in the region around New Bedford: and B—e that Berkshire County is its place of growth. In other cases, especially where the species is very rare, the name of the town where it occurs is mentioned. When no local designation is annexed, I have reason to suppose that the plant may be found in any part of the State of considerable extent. In some of the flowerless plants, however, there is an exception to this remark; as will be mentioned under Muscoideae.

In reducing our plants to the Natural Orders I have received the assistance of Dr. John Blodget of Amherst.

ABBREVIATIONS.

? Indicates a doubt as to the species.
§ Prefixed to those plants that have been introduced or naturalized.

Names of Botanical Writers.

Ait.	for Aiton.
Brid.	— Bridel.
Big.	— Bigelow.
R. Br.	— R. Brown.
Bull.	— Bullard.
De. Cand.	— Decandolle.
Des.	— Desfontaines.
Dicks.	— Dickson.
Dill.	— Dillenius.
Ehrh.	— Ehrhart.
Ell.	— Elliott.
Fr.	— Fries.
Hall.	— Haller.
Hedw.	— Hedwig.
l'Herit.	— l'Heritier.
Hook.	— Hooker.
Hoffm.	— Hoffman.
Jacq.	— Jacquin.
Lamb.	— Lambert.
L.	— Linnæus.
Lind.	— Lindley.
Lmk.	— Lamarck.
Mx.	— Michaux.
Mx. f.	— Michaux filius.
Muhl.	— Muhlenberg.
Nutt.	— Nuttall.
P. de B.	— Palisot de Beauvois.
Pers.	— Persoon.
Ph.	— Pursh.
Raf.	— Rafinesque.
Rich.	— Richard.
Salis.	— Salisbury.
Schaeff.	— Schaeffer.
Schk.	— Schkuhr.
Schrad.	— Schrader.
Schreb.	— Schreber.
Schw.	— Schweinitz.
Sibth.	— Sibthorp.
Sm.	— Smith.
Spreng.	— Sprengel.
Sw.	— Swartz.
Tor.	— Torrey.
Tourn.	— Tournefort.
Vent.	— Ventenat.
Walt.	— Walter.
Wang.	— Wangenheim.
Web. & M.	— Weber & Mohr.
W.	— Willdenow.

CLASS I.—VASCULARES,

OR

FLOWERING PLANTS.

SUB CLASS I.—EXOGENÆ OR DICOTYLEDONS.

TRIBE I.—ANGIOSPERMÆ.

1 *Polypetalous, Apetalous, and Achlamydeous Plants.*

ARALIACEÆ.

Aralia, L.
hispida, Mx. *Bristly Stem Sarsaparilla.*
nudicaulis, L. *Wild Sarsaparilla.*
racemosa, L. *Spikenard.*

Panax, L.
quinquefolium, L. *Ginseng.* A.
trifolium, L. *Dwarf Ground Nut.*

UMBELLIFERÆ.

Æthusa, L.
§ cynapium, L. *Fool's Parsley.* Boston.

Angelica, L.
atropurpurea, L. *triquinata, Big. Angelica.*

Cicuta, L.
bulbifera, L. *Bulbiferous Cicuta.*
maculata, L. *American Hemlock.*

Conium, L.
maculatum, L. *Poison Hemlock*
crantzia, Nutt.

Crantzia, Nutt.
lineata, Nutt. Near Boston: found by Mr. Nuttall. B. D. Greene Esq.

Cryptotænia, De Cand.
Canadensis, De Cand. *Sison, L. Chaerophyllum, Pers. Hone Wort. Mock* [*Sanicle.*

Daucus, L.
§ carota, L. *Carrot.* B—e.

Discopleura, De Cand.
capillacea, De. Cand. *Ammi capillaceum, Spreng. Bishop-Weed.* N. B.

Heracleum, L.
lanatum, Mx. *Cow Parsnip.*

Hydrocotyle, L.
Americana, L.
umbellata, L. B.
vulgaris, Mx. N. B.

Ligusticum, L.
scoticum, L. B. *Sea Lovage.*

Osmorhiza, Raf *Uraspermum, Nutt. Scandix, Muhl.*
longistylis, De Cand.
brevistylis, De Cand. *Sweet Cicely.*

Pastinaca, L. *Parsnip.*
§ sativa, L.
Sanicula, L.
Marilandica, L. *Sanicle.*
Sium, L.
latifolium, L. *Water Parsnip.*
lineare, Mx.
Smyrnium, L.
aureum, L. *Sison aureus, Spreng. Thaspium aureum, Nutt. Meadow [Parsnip. A.*

RANUNCULACEÆ.

Actæa, L.
alba, Big.
racemosa, L. *Cimicifuga serpentaria, Ph. Black Snake Root.* B—e
rubra, Willd. *Bane-berry.* [Mr. M. A. Curtis.
Anemone, L.
nemorosa, De Cand. *Low Anemone.*
thalictroides, L. *Rue Anemone. Thalictrum anemonoides. Mx.*
Virginiana, L. *Wind-Flower.*
Aquilegia, L.
Canadensis, L. *Columbine.*
Atragene, L.
Americana, Sims. *Atragene. Clematis verticillaris, De Cand.*
Caltha, L.
palustris, L. *Cowslip.*
Clematis, L,
Virginiana, L. *Virgin's Bower.*
Coptis, Salisbury.
trifolia, Salis. *Gold Thread.*
Hepatica, W.
triloba, W. *Liverwort.*
Ranunculus, L.
abortivus, L.
acris, L. *Buttercup.*
bulbosus, L.
cymbalaria, Ph.
fascicularis, Muhl.
filiformis, Mx. *reptans, L.*
flammula, L. *Spear Wort.*
fluvitalis, W. *River Crowfoot.*
hirsutus, Curtis, B—e.
multifidus, Ph. B.
Pennsylvanicus, L. B.
recurvatus, Ph.
repens, L.
sceleratus, L. *Celery Crowfoot.*
Thalictrum, L.
dioicum, L. *Meadow Rue.*
cornuti, Hooker, *pubescens Ph. revolutum, De. Cand.*

PAPAVERACEÆ.

Chelidonum, L.
majus, W. *Celandine.*
Sanguinaria, L.
Canadensis, L. *Blood Root.*

NYMPHÆACEÆ.

Nymphæa, L.
o lorata. Ait. *White Pond Lily.*

Nuphar, Sm.
advena, Ait. *Yellow Water Lily.*
kalmiana, Ait.

HYDROPELTIDEÆ.

Hydropeltis, Mx.
purpurea, Mx. *Water Shield.*

PODOPHYLLEÆ.

Podophyllum, L.
peltatum, L. *May Apple.*

CRUCIFERÆ.

Arabis, L.
falcata, Mx. *Canadensis*, L.
hastata, L. *Hairy Tower Mustard.*
hirsuta, Smith. *Turritis hirsuta, Jacq.*
rhomboidea, Ph. B. *Cardamine rhomboidea, De Cand.*
thaliana, L, *Spring Cress.* B—e.

Barbarea, R. Brown.
vulgaris, R. Br. *Erysimum barbarea*, L. *Water Radish.*

Brassica, L.
§ napus, L. *Kale.*

Cakile, L.
Americana, Nutt. *Bunias maritima, Ph.* B. *Am. Sea Rocket.*

Cardamine, L.
Pennsylvanica, W. *Water Cress.*
Virginica, W. B—e.
teres ? Mx. A. Dr. G. White.

Cochlearia, L.
§ armoracea, L. *Horse Radish.*

Dentaria, L.
diphylla, Mx. *Tooth Root.* A.
laciniata, A. Muhl.

Draba, L.
arabizans, Mx. B—e.

Erophila, De Cand.
vulgaris, De Cand. *Draba verna. Ph. Whitlow Grass.*

Lepidium, L.
Virginicum, L. *Wild Peppergrass.*

Nasturtium, Brown.
amphibium, Brown. *Sisymbrium amphibium, L. Water Radish.*
officinale, Brown. *Sisymbrium nasturtium, L. English Water Cress.*

Raphanus, L.
§ raphanistrum, L. *Cadlock, Wild Radish.*

Sinapis, L.
§ nigra. *Mustard*, L.

Sisymbrium, Allioni.
officinale, De Cand. *Erysimum officinale, L. Hedge Mustard.*

Thalspi, L.
bursa-pastoris, L. *Shepherd's Purse.*
campestris, L. *Yellowseed.*

FUMARIACEÆ.

Corydalis Vent.
fungosa, Pers. *Adlumia cirrhosa, Raf. Climbing Colic Weed.*
glauca, Ph.

Diclytra, De Cand.
cucullaria, De Cand. *Corydalis cucullaria, Pers. Colic Weed.*
formosa, De Cand. A. *Corydalis formosa, Ph.*

Fumaria, L.
§ officinalis, L. *Fumitory.*

MAGNOLIACEÆ.

Liriodendron, L.
tulipifera, L. *Tulip Tree.* A. and N. B.
Magnolia, L.
glauca, L. *Beaver Tree. Swamp Laurel. Gloucester.*

LAURINEÆ.

Laurus, L.
benzoin, L. *Spice Bush. Fever Bush.*
sassafras, L. *Sassafras.*

BERBERIDEÆ.

Berberis, L.
vulgaris. L. *Barberry. L.*
Leontice, L.
thalictroides, L. *Caulophyllum thalictroides, Mx. Poppose Root. Cohosh.*

MENISPERMEÆ.

Menispermum, L.
Canadense, L. *Moonseed.* A.

MALVACEÆ.

Althæa, L.
officinalis, L. *Marsh Mallows.* B. and N. B.
Hibiscus, L.
palustris, L. B. *Marsh Hibiscus.*
Malva, L.
rotundifolia, L. *Low Mallows.*
§ sylvestris. L. *High Mallows.*
Sida, L.
abutilon, L, *Indian Mallows.* A.

TILIACEÆ.

Tilia, L.
glabra, Vent. *Bass Wood.*
pubescens, Ait. *Americana, Walt, Bass Wood.*

HYPERICINEÆ.

Hypericum, L.
angulosum, Mx.
ascyroides, W. *Saint John's Wort.*
Canadense, L.
corymbosum, W.
cystifolium, Lmk. A.
parviflorum, W.
perforatum, L. *Saint John's Wort.*
sarothra, Mx. *Sarothra gentianoides, W.*
Virginicum, L. *Elodea campanulata, Ph.*

SAXIFRAGEÆ.

Chrysosplenium, L.
Americanum, Hooker. *oppositifolium, L. Golden Saxifrage.*
Mitella, L.
cordifolia, L. B—e.
diphylla, L. *Currant Berry.* A.
Parnassia, L.
Caroliniana, Mx. *Parnassus Grass.*
Saxifraga, L.
Pennsylvanica, L. *Water Saxifrage.*
Virginiensis, Mx. *Rock Saxifrage.*

Tiarella, L.
cordifolia, L. *Mitre Wort.*

HAMAMELIDEÆ.

Hamamelis, L.
Virginica, L. *Witch Hazel.*

GROSSULACEÆ.

Ribes, L.
cynobasti, Jacq. B—e. *Wild Gooseberry.*
gracile, Mx. A.
floridum, l'Herit. *Black Currant.*
lacustre, Ph. A. & B—e. *Gooseberry.*
prostratum, L Herit. A.
rigens, Mx. B. & A.
triflorum, W. *Wild Gooseberry.*
trifidum, Mx. B—e.

CACTEÆ.

Cactus, L.
opuntia, L. Nantucket T. A. Greene. *Opuntia vulgaris, De Cand.* [*Prickly Pear.*

ONAGRARIÆ.

Epilobium, L.
coloratum, Muhl.
lineare, Muhl. *rosmarinifolium, Ph.*
molle, Torrey. A.
palustre, L. B—e.
spicatum, Lam. *Willow Herb.*

Isnardia, L.
palustris, L. *Water Purslane.*
alternifolia, De Cand. *Ludwigia alternifolia, L. Seed Box.*

Œnothera, L.
biennis, L. *Scabish. Tree Primrose.*
chrysantha, Mx. B—e. *var. of Œ. pumila?*
fruticosa, L. Plymouth. T. A. Greene.
pumila, L.

HALORAGEÆ.

Myriophyllum, L.
ambiguum, Nuttall. N. B.
procumbens, Big. Danvers.
spicatum, L. B.

Myriophyllum.
tenellum, Big. Tewksbury and Plainfield.
verticillatum, L. *Water Milfoil.*

Proserpinaca, L.
palustris, L. *Mermaid Weed.*
pectinacea, Lam. N. B.

CIRCÆACEÆ.

Circæa, L.
alpina, L. *Enchanter's Night Shade.*
lutetiana, L. *Canadensis, Muhl.*

LOASEÆ.

Centaurella, Mx.
paniculata, Mx. *Bartonia paniculata, Muhl. Screw Stem.*

SALICARIÆ.

Ammannia, L.
humilis, Mx. B.

Cuphea, Jacq.
vicosisima, Jacq. Pittsfield. Dr. G. White.

Lythrum, L.
hyssopifolium, L. B.
salicaria, Ph. N. B.
verticillatum, L. *Decodon verticillatum, Ell. Swamp willow Herb.*

MELASTOMACEÆ.

Rhexia, Brown.
Virginica, L. *Meadow Beauty. Deer Grass.*

ARISTOLOCHIÆ.

Asarum, L.
Canadense, L. *Wild Ginger.*

SANTALACEÆ.

Nyssa, L.
biflora, Walt. *Sour Gum.* A. and Plymouth. T. A Greene.
villosa, Mx. *Sour or Black Gum.*

Thesium, L.
umbellatum, L. *False Toad Flax.*

THYMELEÆ.

Dirca, L.
palustris, L. *Moose Wood. Leather Wood.*

SANGUISORBEÆ.

Sanguisorba, L.
Canadensis, L. *Burnet Saxifrage.* A. & B.

ROSACEÆ.

Agrimonia, L.
eupatoria, L. *Agrimony.*

Amelanchier, De Cand.
botryapium, De Cand. *Aronia botryapium, L.*
ovalis, De Cand. *Aro. ovalis, Pers.*
sanguinea, De Cand. *Pyrus. sang. Ph.* Western part of the State? Big.

Comaropsis, Rich.
fragrarioides, De Cand. B—e and A. *Dalibarda fragrarioides, Mx.*

Dalibarda, L.
repens, Lmk. Greenfield and Princeton.

Fragraria, Tourn.
Virginiana, L. *Strawberry.*

Geum, L.
rivale, L. *Purple Avens.*
strictum, Ait. *Upright Avens.*
Virginianum, L. *Avens.*

Potentilla, L.
anserina, L. B.
argentea, L. *Silver Five Finger.*
Canadensis, L. *Five Finger.*
confertiflora, Torrey. *Bootia sylvestris, Big. Geum argrimonoides,*
fruticosa, L. [*Ph.*
norwegica, L. *Cinquefoil.*
palustris, Scop. *Comarum palustre, L.* B-e & B.
simplex, Mx. B.
tridentata, Ait. Hoosic Mountain & Wachusett.

Rosa, L.
- corymbosa, Ehrh. *Carolina, L. Swamp Rose.*
- lucida, Ehrh. B—e.
- micrantha, Sm. B.
- parviflora, Ehrh. *Caroliniana, Mx.*
- § rubiginosa, L. *Sweet Briar.*

Rubus, L.
- Canadensis, L.
- frondosus. Big. B.
- obovalis, L.
- occidentalis, L. *Black Raspberry.*
- odoratus. L. *Flowering Raspberry.*
- setosus, Big. B.
- strigosus, Mx. *Red Raspberry.*
- saxatilis, Mx. *Stone Raspberry.* B.
- trivalis, Mx. *sempervirens, Big ? Dewberry.*
- villosus, Ait. *Blackberry.*

Spiræa, L.
- salicifolia, Mx. *Hard Hack.*
- tomentosa, L. *Steeple Bush.*

POMACEÆ.

Cratægus, L.
- coccinea, L. *Thorn Bush.*
- crusgalli, Ait. B. *Thorn Bush.*
- punctata, Jacq. *Thorn Bush.*

Pyrus, L. *Aronia, Pers.*
- Americana, De Cand. *Sorbus Americana. Ph. Mountain Ash.*
- arbutifolia, Var. melanocarpa. Tor.

AMYGDALEÆ.

Cerassus, Juss. *Prunus, L.*
- borealis, Mx. *P. borealis, Ph. Choke Cherry.*
- Canadensis, De Cand. *P. Canadensis, W.*
- depressa, De Cand. *P. depressa, Ph. Sand Cherry.*
- pubescens, De Cand. *P. littoralis, Big.*
- pumila, Mx. *P. pumila, Lam.*
- serotina, De Cand. *P. serotina, Ph. non W. obovata, Big. Choke Cherry.*
- Virginiana, Mx. *P. Virg. L. Wild Cherry.*

Prunus, L.
- Americana, Marshall. *Wild Plum.* A.
- mollis, Tor. B—e.

LEGUMINOSEÆ.

Amphicarpa, De Cand.
- monoica, Ell. *Glycine Pea Vine. monoica, L.*

Apios, Ph.
- tuberosa, Moench. *Ground Nut, Glycine apios, L.*

Baptisia, Vent.
- tinctoria, R. Brown. *Wild Indigo.*

Cassia, L.
- chamæcrista, L. *Partridge Pea.*
- Marilandica, L. *Wild Senna.*
- nictitans, L. Hadley, Springfield, and N.B.

Crotolaria, L.
- sagittalis, L. *Rattle Box.*

Genista, Lam.
- tinctoria, L. *Dyer's Weed.* B.

Hedysarum, L. *Desmodium, De Cand.*
- acuminatum, Mx.
- bracteosum, Mx.
- Canadense, L. *Bush Trefoil.*
- ciliare, Nutt. B—e.
- cuspidatum? W. B.
- humifusum, Muhl.
- nudiflorum, L.
- obtusum, Muhl. A. and N. B.
- paniculatum, L.
- rotundifolium, Mx.
- viridiflorum, L.

Lathyrus, L.
- palustris, L. B.

Lespedeza, Mx.
- angustifolia, Ell. Plymouth, T. A. Greene.
- capitata, Mx.
- polystachia, Mx.
- procumbens, Mx.
- prostrata, Ph. B.
- reticulata, Pers.
- sessiliflora, Nutt.
- violacea, Pers.

Lupinus, L.
- perennis, L. *Wild Lupine.*

Medicago, L.
- lupulina, L. B.

Phaseolus, L.
- trilobus, Mx. B. *Bean Vine.*

Pisum, L.
- maritium, L. *Sea Pea.* B. *Lathyrus maritimus, Big.*

Robinia, L.
- pseudacacia, L. *Locust Tree.*

Tephrosia, L.
- Virginiana, Pers. *Galega virginiana, L. Pers. Goat's Rue.*

Trifolium, L.
- agrarium, L. Cummington.
- arvense, L. *Field Clover.*
- officinale, L. *Melilotus officinalis, W. Melilot.*
- pratense, L. *Red Clover.*
- procumbens, L.
- repens, L. *White Clover.*

Vicia, L.
- cracca, L. *Vetch.*
- pusilla, Muhl. B. *Ervum tetraspermum, L.*
- sativa, L. *Tare.*

URTICEÆ.

Bœhmeria, W.
- cylindrica, W. *False Nettle.*

Humulus, L.
- lupulus, L. *Hop.*

Parietaria, L.
- Pennsylvanica, Muhl. Sugar loaf Deerfield.

Urtica, L.
- Canadensis, L. *Yellow Nettle.* A.
- dioica, L. *Common Nettle.*

Urtica, L.
procera, Muhl. B—e.
pumila, L. *Stingless Netile.*
urens, L. *Dwarf Stinger.*

ULMACEÆ.

Celtis, L.
occidentalis, L. *Nettle Tree.* Deerfield and Waltham.

Ulmus, L.
Americana, L. *Elm.*
fulva, Mx. *Slippery Elm.*

ARTOCARPEÆ.

Morus, L.
§ alba, L. *White Mulberry.*
rubra, L. *Red Mulberry.* Deerfield ?

CUPULIFERÆ.

Castanea, Tourn.
Americana, Mx. *Chesnut.*

Corylus, L.
Americana, Walt. *Hazel Nut.*
rostrata, Ait. *Beaked Hazel Nut.*

Fagus, L.
ferruginea, Ait. *Beech Tree.*

Quercus, L.
alba, L. *White Oak.*
bicolor, W.
ambigua ? Mx. et fil.
banisteri, Mx. *Shrub Oak.*
coccinea, Wang. *Scarlet Oak.*
montana, W. *Chesnut Oak.*
palustris, W. *Pin Oak.* A.
prinos-chinchapin, Mx. A. *Chinquapin.* 2 to 6 feet high.
prinos-discolor, Mx. *Swamp White Oak.*
rubra, L. *Red Oak.*
tinctoria, Mx. *Black Oak.*

BETULINEÆ.

Alnus, W.
glutinosa, L. A.
serrulata, Willd. *Alder.*

Betula, L.
excelsa, Ait. *Yellow Birch.*
glandulosa, Mx. B—e. *Shrub Birch.*
lenta, L. *Black Birch.*
papyracea, Ait. *Canoe Birch.*
populifolia, Ait. *White Birch.*
pumila, L.
rubra, Mx. & fil. *nigra, L. Red Birch.* B—e.

Carpinus, L.
Americana, W. *Horn Beam.*

Ostrya, Mx.
Virginica, W. *Iron Wood. Hop Hornbeam.*

SALICINEÆ.

Populus, L.
balsamifera, L. *Balsam Poplar.*
candicans, Ait. *Balm of Gilead.*
§ dilatata, L. *Lombardy Poplar.*

Populus, L,
grandidentata, Mx. *Poplar.*
tremuloides, Mx. *White Poplar.*
Salix, L. *Willow.*
§ Babylonica, L.
conifera, Wang.
cordata, Muhl.
discolor, Willd. B. *Bog Willow.*
eriocephala, Mx. *Swamp Willow.* B.
falcata, Ph.
grisea, W.
lucida, Muhl.
Muhlenbergiana, W.
myricoides, Muhl.
nigra, Marsh.
pedicellaris, Ph.
prinoides, Ph. B—e.
rigida, Muhl.
tristis, Muhl. B—e.
vitellina, L. *Yellow Willow.*
viminalis, L. *Osier Basket Willow.* B.

PLATANEÆ.

Platanus, L.
occidentalis, L. *Sycamore. Button-Wood.*

MYRICEÆ.

Comptonia, Gaert.
asplenifolia, Ait. *Sweet Fern.*
Myrica, L.
cerifera, L. *Bay Berry.*
gale, L. *Sweet Gale.*

JUGLANDEÆ.

Carya, Nutt.
alba, Nutt. *Juglans squamosa, Mx. Common Hickory.*
amara, Nutt. *J. amara, Mx. Bitter Nut.* Deerfield and Sheffield.
porcina, Nutt. *J. porcina, Mx. Pig Nut.*
Juglans, L.
cinerea, L. *Butternut.*
§ nigra, L. *Black Walnut.*

EUPHORBIACEÆ.

Acalypha, L.
Virginica, L. *Three seeded Mercury.*
Euphorbia, L.
maculata, L. *Spotted Spurge.*
helioscopia, L. B.
hypericifolia, L.
polygonifolia, L. B.

CELASTRINEÆ.

Celastrus, L.
scandens, L. *False Bitter Sweet.*

RHAMNEÆ.

Ceanothus, L.
Americanus, L. *New Jersey Tea.*
Rhamnus, L.
alnifolius, l'Herit. *Dwarf Alder.* Deerfield.
§ catharticus, L. *Buckthorn.*

STAPHYLEACEÆ.

Staphylea, L.
trifolia, L. *Baldder Nut.* Mt. Holyoke, Deerfield, and Weston.

ACERINEÆ.

Acer, L.
dasycarpum, W. *eriocarpum, Mx. Silver Maple.*
Pennsylvanicum, L. *striatum, Mx. Striped Maple. Moose-Wood.*
rubrum, L. *Red Maple.*
saccharinum, L. *Sugar Maple.*
spicatum, L. *montarium, Ait. Mountain Maple Bush.*

VITES.

Ampelopsis, Mx.
quinquefolia, Mx. *Cissus hederacea Pers. False Grape. Five finger.*

Vitis, L.
æstivalis, Mx. *intermedia, Muhl Summer Grape.*
cordifolia, Mx. *vulpina L. Frost Grape.*
labrusca, L. *Plum Grape. Fox Grape.*

ANACARDIACEÆ.

Rhus, L.
aromatica, Ait. *Fetid Sumach.* B—e.
copallina, L. *Sumach.*
glabra, L. *Sumach.*
radicans, L. *Poison Ivy.*
toxicodendron, L. *Poison Ivy.*
typhina, L. *Sumach.*
venenata, De Cand. *vernix* L. *Poison Sumach. Dog Wood.*

XANTHOXYLEÆ.

Xanthoxylum, L.
fraxineum, W. *Prickly Ash.*

GERANIACEÆ.

Geranium, L.
dissectum, Willd. B.
maculatum, L. *Crow-Foot Geranium.*
robertianum, L. *Herb Robert.*

OXALIDEÆ.

Oxalis, L.
acetosella, L. *Wood Sorrel.*
stricta, L. *Yellow Wood Sorrel.*
violacea, L. *Violet Wood Sorrel.*

BALSAMINEÆ.

Impatiens, L.
fulva, Nutt. *biflora, Ph. Jewel Weed.*
pallida, Nutt. *noli tangere, Ph. Touch-me-not.*

POLYGALEÆ.

Polygala, L.
cruciata. L. B.
paucifolia, W. *Flowering Wintergreen.*
polygama, Walt. *rubella, Muhl.*
sanguinea, L.
verticillata, L. *Dwarf Snake Root.*

VIOLACEÆ.

Viola, L.
acuta, Big. B and A.
blanda, W. *Smooth Violet.*
Canadensis, L. *Woods Violet.*
cucullata, Ait. *Common Violet.*
Muhlenbergii, Tor. *debilis*, Ph. *Spear Violet, B.*

Viola, L.
lanceolata, L.
obliqua ? Schwein. *Weak Stem Violet.*
striata, Ait. *ochroleuca, Schwein.* Amherst.
ovata, Nutt.
palmata, L. *Hand Violet.*
pedata, L. *Bird foot Violet.*
pubescens, Ait. *Yellow Violet.*
rostrata, Muhl. *Beaked Violet.*
rotundifolia, Mx. *Ground Violet.*
sagittata, Ait. *Arrow Violet.*
§ tricolor, L. *Garden Violet.*
villosa, Walt.

CISTINEÆ.

Helianthemum, Tourn. *Cistus, L.*
Canadense, Mx. *Rock Rose.*
ramuliflorum, Mx. N. B.

Hudsonia, L.
ericoides, L. *False Heath.* Cape Cod and Nantucket.
tomentosa, Nutt. B. *Poverty Grass.* Cape Cod and Nantucket.

Lechea, L.
major, L. *Pin Weed.*
minor, L. Do.
racemulosa, Mx. *Clustered Pin Weed.*

SARRACENIÆ.

Sarracenia, L.
purpurea, L. *Sidesaddle Flower.*

DROSERACEÆ.

Drosera, L.
longifolia, L.
rotundifolia, L. *Sun Dew.*
tenuifolia, Muhl. B.

LINEÆ.

Linum, L.
Virginianum, L. *Wild Flax.*

CARYOPHYLLEÆ.

Agrostemma, L.
githago. L. *Cockle.*

Arenaria, L,
lateriflora, L. *Sand Wort.* Springfield.
marina, Sm. *Canadensis, Pers.* B.
peploides, L. B.
rubra, L. B. & A.
§ serpyllifolia, L.

Cerastium, L.
§ arvense, L.
hirsutum, Muhl. A ? *connatum, Beck.*
oblongifolium, Torrey.
§ semidecandrum, L.
tenuifolium, Ph.
§ viscosum, L.
vulgatum, L. *Chickweed.*

Cucubalus, L.
behen, L.
stellatus, L. B. *Star Campion.*

Dianthus, L.
armeria, L. *Pink*, B. and Banks of Ct. River near Mt. Tom.
Mollugo, L.
verticillata, L. *Carpet Weed.*
Sagina, L.
procumbens, L. *Pearl Wort.*
Saponaria, L.
§ officinalis, L. *Bouncing Bet.* Soap Wort.
vaccaria, L. *Field Soap Wort.* Williamstown.
Silene, L.
antirrhina, L. *Sleepy catch Fly. Snap Dragon.*
Pennsylvanica, Mx. *Pink Catch Fly.*
Spergula, L.
arvensis, L. *Spurry.*
Stellaria, L.
lanceolata, Torrey.
longifolia, Muhl. *Longleafed Starwort.*
media, Smith. *Alsine media, L. Chickweed.*

PORTULACEÆ.

Claytonia, L.
Virginica, L. *Spring Beauty.*
Portulacca, L.
oleracea, L. *Purslane.*

CRASSULACEÆ.

Penthorum, L.
sedoides, L. *Virginian Orpine.*

ILLECEBREÆ.

Queria, L.
Canadensis, L. *Anychia dichotoma, Mx. Fork Chickweed.*

AMARANTHACEÆ.

Amaranthus, L.
§ blitum. Willd. B.
hybridus, L.
§ oleraceus, L? *Pot Amaranth.*
pumilus, Nutt. Nashawn Island. T. A. Greene.
retroflexus, L. B. B—e. Mr. M. A. Curtis.

SCLERANTHEÆ.

Scleranthus, L.
annuus, L. *Gravel Chickweed.*

CHENOPODEÆ.

Acnida, L.
cannabina, L. *Water Hemp*, B.
Atriplex, L.
arenaria, Nutt. N. B.
patula, L. B.
Blitum, L.
capitatum, L. *Strawberry Blite.*
Chenopodium, L.
§ album, L. *Pigweed. Hogweed.*
§ botrys, L. *Oak of Jerusalem.*
§ hybridum, L. *Tall Goosefoot.*
rhombifolium, Muhl. B. Mr. M. A. Curtis.
rubrum, L. *Rusty Pigweed, Red Goosefoot.*
Salicornia, L.
herbacea, L. *Samphire. Glass Wort.* B.

Salicornia, L.
- mucronata, Big. B.
- ambigua, Mx. N. B.

Salsola, L.
- Carolinia. Mx, B.
- salsa, Mx. B.

PHYTOLACCEÆ.

Phytolacca, L.
- decandra, L. *Poke weed.*

POLYGONEÆ.

Polygonum, L.
- amphibium, L.
- arifolium, L. *Knotweed.*
- articulatum, L.
- aviculare, L. *Joint Weed.*
- cilinode, Mx.
- coccineum, W. B.
- convolvulus, L. *Bind Knotweed.*
- § fagopyrum, L. *Buck Wheat.*
- lapathifolium, L. A.
- mite, Pers. *Tasteless Knotweed.*
- § orientale, L. *Princes Feathers.*
- persicaria, L. *Heart's Ease.*
- Pennsylvanicum, N. B.
- punctatum, Ell. *Biting Knotweed.*
- sagittatum, L. *Prickly Knotweed.*
- scandens, L. *Climbing Buck wheat.*
- tenue, Mx. *Slender Knot Grass.*
- Virginianum, L.

Rumex, L.
- acetosella, L. *Field Sorrel.*
- acutus ? L.
- Brittanicus, L. B.
- crispus, L. *Dock.*
- obtusifolius, L. *Broad Leaved Dock.*
- pallidus, Big. B.

PODOSTOMEÆ.

Podostemum, Mx.
- ceratophyllum, Mx. *Thread Foot. A.*

CALLITRICHINEÆ.

Callitriche, L.
- linearis, Ph. A. & N. B.
- verna, Muhl.

CERATOPHYLLEÆ.

Ceratophyllum, L.
- demersum, L. Nantucket. *Hornwort.*

II.—Monopetalous Plants.

ILICINEÆ.

Ilex, L.
- Canadensis, Mx. *Nemopanthes Canadensis, De Cand. Mountain Holly.*
- opaca, Ait. *Evergreen Holly. B.*

Prinos, L.
- ambiguus, Mx. B.
- glaber, L. B.
- verticillatus, L. *Winter Berry. Black Alder.*

ERICEÆ.

Andromeda, L.
- calyculata, L. *Leather Leaf.*
- ligustrina, Muhl. *White Bush.*
- paniculata, Mx. B.
- polifolia, L. A.
- racemosa, Mx. B.

Arbutus, L.
- uva ursi, L. *Bear Berry.*

Azalea, L.
- nudiflora, L. *Rhododendron nudiflorum, Tor. Honey Suckle.*
- viscosa, S. *R. viscosa, Torrey. White Honey Suckle.*

Clethra, L.
- alnifolia, L. *Spiked Alder. B. and Worcester.*

Epigæa, L.
- repens, L. *Trailing Arbutus.*

Gaultheria, L.
- procumbens, L. *Partridge Berry.*

Kalmia, L,
- angustifolia, L. *Sheep Laurel.*
- glauca, Ait. *Swamp Laurel.*
- latifolia. L. *Laurel.*

Lasicopa, Torrey, MS.
- hispidula, Tor. *Gaultheria hispidula, Muhl.*

Ledum, L.
- latifolium, Ait. *Labrador Tea. Amherst.*

Rhododendron, L.
- maximum, L. *American Rose Bay. Medfield & Dedham.*

Rhodora, L.
- Canadensis, L. *False Honeysuckle. A. and B.*

VACCINEÆ.

Oxycoccus, Pers.
- macrocarpus, Ph. *Cranberry.*
- vulgaris? Ph. *Cranberry.*

Vaccinium, L.
- corymbosum, L. *Giant or Swamp Whortleberry.*
- frondosum, L. *Blue Whortleberry.*
- hirtellum, Ait. B.
- Pennsylvanicum, Lam. *Black-blue Whortleberry.*
- resinosum, Ait. *Black Whortleberry.*
- stamineum, L. *Squaw or Green Whortleberry. Deer Berry.*
- tenellum, Ait. B.
- virgatum, Muhl. B.
- vitis-idea, L. Lynn.

PYROLACEÆ.

Monotropa, L.
- languinosa, Mx. *Hypopithys lanuginosa, Nutt. Pine Sap.*
- uniflora, L. *Bird's Nest. Tobacco Pipe.*

Pyrola, L.
- asarifolia, Mx. *Winter Green.*
- elliptica, Nutt.
- maculata, L. *Chimaphila, Ph. Spotted Winter Green.*
- rotundifolia, L. *Shin-leaf Wintergreen.*
- secunda, L. *One-sided Wintergreen.*
- umbellata, L. *Chimaphila, Ph. Pispissawa. Prince's Pine. Wintergreen.*
- uniflora, L. Lynn, Mr. Oakes.

CAMPANULACEÆ.

Campanula, L.
aparinoides, Ph. *Prickly Bell Flower.*
perfoliata, L. *Amplexicaulis, Mx. Clasping Bell Flower.*
rotundifolia, L. *Hair Bell, A.*

LOBELIACEÆ.

Lobelia, L.
cardinalis, L. *Cardinal Flower.*
dortmanna, L. A. and B.
inflata L. *Wild Tobacco.*
kalmii, L. A. and B.
Nuttallii? R. and S. Ludlow and Springfield.
pallida, Muhl.
syphilitica, L. B—e.

CUCURBITACEÆ.

Mormordica, L.
echinata, Muhl. Hadley and Deerfield.
Sicyos, L.
angulata, L. *Single Seed Cucumber. A.*

PLANTAGINEÆ.

Plantago, P.
lanceolata, L. *Rib Wort.*
major, L. *Plantain.*
maritima, L. B. *Sea Plantain.*

PLUMBAGINEÆ.

Statice, L.
limonium, L. *Marsh Rosemary.* B.

DIPSACEÆ.

Dipsacus, L.
§ sylvestris, L. *Wild Teasel.* Sheffield.

COMPOSITÆ.

Achillea, L.
millefolium, L. *Yarrow.*
Agathyrnus, Don.
leucophæus, Don. *Sonchus leucophæus, W. Sow Thistle.*
Ambrosia, L.
elatior, L. *Hog Weed. Anakim.*
heterophylla, Muhl. B.
trifida, L. *Wild Wormwood.*
Anthemis, L.
cotula, L. *May Weed.*
Apargia, W.
autumnalis W. *Oporinia autumnale, Don. False Hawkweed.* B.
Arctium, L.
lappa, L. *Burdock.*
Artemesia, L.
Canadensis, Mx. *Wild Wormwood.* A. and B.
§ vulgaris, L. *Garden Wormwood.* Naturalized on the hilly parts of the State.
Aster, L.
acuminatus, Mx.
amplexicaulis, Mx. B.
amygdalinus, Mx. *umbellatus, Ait.*
conyzoides, W.
cordifolius, L.
cornifolius, Muhl. B.
corymbosus, Ait.

Aster, L.
- cyaneus, Hoff.
- diversifolius, Mx.
- dumosus, L.
- ericoides, N. B.
- lævis, Willd. B.
- linariifolius, W.
- macrophyllus, Ait.
- miser, L. *a* divergens ; *b* diffusus.
- multiflorus, W.
- mutabilis, W. B.
- Novi-Angliæ, L.
- Novæ-Belgii, L.
- paniculatus, Ait. B—e.
- phlogifolius, W. B—e.
- prenanthoides, W. B—e.
- puniceus, L.
- rigidus, W. A.
- salicifolius, W.
- solidaginoides, W.
- sparsiflorus, Mx. N. B.
- spectabilis, Ait. N. B.
- tradescanti, W.
- subulatus, Mx. Marshfield and B.
- umbellatus, Ait. B.

Bidens, L.
- cernua, L. N. B.
- chrysanthemoides, W. *Daisy Beggar Ticks.*
- connata, W. A.
- frondosa, L. *Burr Marygold.*
- tripartita, L. B.

Carduus, L. *Cnicus, W.*
- altissimus, L.
- arvensis, L. *Canada Thistle,*
- discolor, Nutt. *Common Thistle.*
- lanceolatus, L. *Common Thistle.*
- glutinosus, Beck. B. *Cnicus glutinosus, Big.*
- spinosisimus, Walt. *Cnicus horridulus, Ph.*
- pumilus, Nutt. B.

Centaurea, L.
- § nigra, L. B. Hardwick & Bristol, R. I.

Chrysanthemum, L.
- leucanthemum, L. *Ox-eyed Daisy.*

Cichorium, L.
- intibus, L. *Succory.*

Conyza, L.
- camphorata, Ph. *C. Marilandica, Mx. Marsh Flea Bane.*

Coreopsis, L.
- trichosperma, Mx. B.
- rosea, Nutt. Plymouth. T. A. Greene.

Erigeron, L.
- bellidifolium, L.
- Canadense, L.
- heterophyllum, L.
- integrifolium, Big. B.
- Philadelphicum, L.
- purpureum, L.
- strigosum, L

Eupatorium, L.
ageratoides, W.
aromaticum, W. B.
hyssopifolium, L. N. B.
maculatum, L. B—e.
ovatum, Big. B.
perfoliatum, L. *Thorough Wort.*
pubescens, Willd. B.
purpureum, L. *Joe Pye.*
sessilifolium, L.
teucrifolium, L. *verbenæfolium, Mx.*
verticillatum, W. *Joe Pye Weed.*

Gnaphalium L.
decurrens, Ives.
Germanicum, Sm. N. B.
margaritaceum, L. *Life Everlasting.*
plantagineum, L. *Do.*
polycephalum, Mx. *Sweet scented do.*
purpureum, A. L.
uliginosum, L.

Helianthus, L.
altissimus, L.
decapetalus, L. A. and N. B.
divaricatus, L. B.
truncatus, Schw.
trachelifolius, W. B—e. M.A.Curtis.
♀ tuberosus, L. *Artichoke.*

Helenium, L.
autumnale, L. B—e.

Hieracium, L.
Gronovii, L. A.
kalmii, L. *H. virgatum, and H. fasciculatum, Ph.*
marianum, W.
paniculatum, W.
venosum, L. *Hawkweed.*

Inula, L.
helenium, L. *Elecampane.*
falcata, Ph. N. B. and Nantucket. *Chrysopsis falcata, Beck.*

Iva, L.
frutescens, L. *High Water Shrub.* B—e.

Krigia, L.
amplexicaulis, Nutt. A. *Hyoseris amplexicaulis, Mx. Cynthia amplexicaule, Beck.*
Virginica, W. *Dwarf Dandelion. C. Virginica, Beck.*

Lactuca, L.
elongata, Muhl. *Wild Lettuce.*
integrifolia, Big. B. and A.
sanguinea, Big. B.
villosa, Jacq. Massachusetts. Beck.

Leontodon, L.
taraxicum, L. *Dandelion.*

Liatris, L.
scariosa, W. *Gay Feather.*
spicata, W. B—e. M. A. Curtis.

Mikania, W.
scandens, W. *Climbing Thorough Wort.* A. & B.

Onopordon, L.
§ acanthium, L. *Cotton Thistle.*
Prenanthes, L.
alba, L. *Harpalyce alba, Don. White Lettuce.*
altissima, L. *H. altissima, Don.*
cordata, Ph. *H. cordata, Don.*
virgata, Mx. *H. virgata, Don.*
Rudbeckia, L.
laciniata, L. *Cone Flower.*
Senecio, L.
aureus, L. *Rag Wort.*
balsamitæ, W. *Balsam Groundsel.*
hieracifolius, L. *Fire Weed.*
obovatus, W.
vulgaris, L. *Groundsel.*
Solidago, L. *Golden Rod.*
altissima, W.
arguta, W.
aspera? Ait.
bicolor, L.
cæsia, W.
Canadensis, L. B—e.
ciliaris? W.
gigantea, Ait.
lanceolata, Ait.
lævigata, Ait. B.
latifolia, Muhl.
livida, W.
nemoralis Ait.
odora, Ait. *Sweet scented golden rod.*
rigida, Ait. South Hadley Canal.
serotina, W.
speciosa, Nutt. A.
squarrosa, Nutt. Mt. Holyoke.
stricta, W.
tenuifolia, Ph. Nantucket. T. A. Greene.
ulmifolia, W.
Sonchus, L.
acuminatus, W.
oleraceus, L. *Sow Thistle.*
spinulosus, Big. B.
Tussilago, L.
farfara, W. *Colt's Foot.*
palmata, Ait. Sunderland.
Tanacetum, L.
§ vulgare, L. *Tansey.*
Vernonia, L.
noveboracensis, W. *Flat Top.*
Xanthium, L.
spinosum, L. Plainfield. Dr. Porter.
strumarium, L. *Clott Burr.*

STELLATÆ.

Galium, L
aparine. L.
asprellum, Mx. *Rough Bed Straw.*
boreale, Ph. *Septentrionale, R. and S.*
circæzans, Mx. *Liquorice.*
lanceolatum, Torrey. *Torreyi, Big.*

obtusum, Big. B.
pilosum, Ait.
tinctorium, L. *Dyers Cleavers.*
trifidum, L. *Bed Straw. Small Cleavers.*
triflorum, Mx.
verum, L. B.

CINCHONEÆ.

Cephalanthus, L.
occidentalis, L. *Button Bush.*

Mitchella, L,
repens, L. *Checker Berry. Eye Bright.*

CAPRIFOLIACEÆ.

Caprifolium, Goldie.
pubescens, Goldie. *Lonicera hirsuta, Eaton. Rough Woodbine*

Cornus, L.
alba, l'Her. B.
alternifolia, L. B.
Canadensis, L. *Dog Wood.*
circinata, l'Her.
florida, L. *Dog Wood.*
paniculata, l'Her.
sanguinea, l'Herit. B—e.
sericea, l'Her.

Diervilla, Tourn.
humilis, Pers. *Lonicera diervilla, L. Bush Honeysuckle.*

Linnæa, Gron.
borealis, Gron. *Twin Flower.*

Lonicera, L.
parviflora, Lmk.

Sambucus L.
Canadensis, L. *Elder.*
pubens, Mx. *Red Berried Elder.*

Triosteum, L.
perfoliatum, L. *Fever Root.* Deerfield and Cambridge

Viburnum, L.
acerifolium, L. *Maple Guelder Rose.*
dentatum, L. *Arrow Wood.*
lantanoides, Mx. *Hobble Bush. Tangle Legs.*
lentago L. *Sheep Berry.*
nudum, L.
oxycoccus, Ph. *High Cranberry.*
pyrifolium, Lam. Williamstown.

Xylosteum, Tourn.
ciliatum, Ph. *Lonicera ciliata, Muhl. Fly Honeysuckle.*
villosum, Mx. Deerfield and Williamstown.

ASCLEPIADEÆ.

Asclepias L. *Milk Weed.*
incarnata, L.
obtusifolia, Mx.
phytolaccoides, Ph. *exaltata et acuminata, Muhl.*
quadrifolia, Jacq.
pulchra, W. B. Malden, M. A. Curtis.
purpurascens, L. B.
syriaca, L. *Common Milk Weed.*
tuberosa, L. *Pleurisy Root. Butterfly Weed.*
variegata, L.
verticillata, L.
viridiflora, Ph. B. and Leicester.

APOCYNEÆ.

Apocynum, L.
androsæmifolium, L. *Dog Bane.*
cannabinum, Mx. *pubescens, Brown.*
hypercifolium, Ait. *John's Dog Bane.*

GENTIANEÆ

Gentiana, L.
crinita, W.
quinqueflora, W. Charlemont and Hoosic Mt.
pneumonanthe, L. B.
saponaria, L. *Soap Gentian.*

Houstonia, L.
cœrulea, L. *Venus' Pride.*
longifolia, Willd. B.

Menyanthes, L.
trifoliata, L. *Buck Bean.* B. and A.

Sabbatia, Adanson.
chloroides, Ph. B.
stellaris, Ph. N. B.

Villarsia, Vent.
lacunosa, Ph. B. *Menyanthes trachysperma, Mx. Spur Stem. Floating Heart.*

CONVOLVULACEÆ.

Convolvolus, L.
arvensis, L. B.
sepium, L. *Field Bind Weed.*
stans, Mx. *spithamæus, L. Dwarf Morning Glory.*

Cuscuta L.
Americana, L. *Dodder.*

OLEACEÆ.

Fraxinus, L.
Americana, W. *White Ash.*
juglandifolia, Lam. *Swamp Ash.* A.
sambucifolia, W. *Black Ash.* A.

Ligustrum, L.
vulgare, L. *Privet or Prim.* A. and B.

PRIMULACEÆ.

Anagallis, L.
arvensis, L. *Scarlet Pimpernel.*

Hottonia, L.
inflata, L. B. and N. B.

Glaux, L.
maratima, L. Barnstable and Yarmouth, Dr. K. Underwood. *Black salt Wort.*

Lysimachia, L.
capitata, Ph. A. and B.
ciliata, L.
hybrida, Mx. B. and N. B.
quadrifolia, L.
racemosa, Ph. *stricta, Ait. Loose Strife.*

Samolus, L.
valerandi, L. *Brook Weed. B.*

Trientalis, L.
Americana, Ph. *Chick Wintergreen.*

LENTIBULARIÆ.

Utricularia, L.
- cornuta, Mx. *Leafless Bladder Wort.* A. and B.
- gibba, Gron. B—e.
- inflata, Walt. B.
- pupurea, Walt. B.
- resupinata, Green. MS. Tewksbury.
- striata, LeConte. A.
- vulgaris, L. *Bladder Wort.*

OROBANCHEÆ.

Epiphagus, Nutt.
- Americanus, Nutt. *Orobanche Virginiana, L. Cancer Root.*

Orobanche, L.
- Americana, L. Mount Holyoke.
- uniflora, L. *Cancer Root.*

SCROPHULARINEÆ.

Antirrhinum, L.
- Canadense, W. *Flax Snap Dragon.*
- elatine, L. Hadley. Dr. George White.
- § linaria, L. *Snap Dragon.*

Chelone, L.
- glabra, L. *Snake Head.*

Gerardia, L.
- flava, L.
- glauca, Eddy. *Fox Glove.*
- maritima, Raf. B.
- pedicularia, L.
- purpurea, L.
- tenuifolia, L. B.

Gratiola, L.
- aurea, Muhl. *Hedge Hyssop.*
- Virginica, L. *neglecta, Torrey.* A.

Leptandra, Nutt.
- Virginica, Nutt. *Callistachya Virginica. Raf. Culver's Physic.*

Limosella, L.
- subulata, Ives. *Mudwort.* Nantucket.

Lindernia, L.
- attenuata, Muhl. *False Hedge Hyssop.*
- dilatata, Muhl. B. and A.

Mimulus, L.
- alatus, L. A.
- ringens, L. *Monkey Flower.*

Penstemon, L.
- pubescens, L. B—e.

Scrophularia, L.
- Marilandica, L. *Fig Wort.*

Veronica, L.
- agrestris, L.
- anagallis, L. *Brook Pimernel.*
- arvensis, L. *Wall Speedwell.*
- beccabunga, L.
- officinalis, L. *Speedwell*
- peregrina, L. N. B.
- scutellata, L.
- serpyllifolia, L.

RHINANTHACEÆ.

Bartsia, L.
coccinea, L. *Euchroma coccinea, Nutt. Painted Cup.*
Melampyrum, L.
Americanum, Mx. *Cow Wheat.*
Pedicularis, L.
Canadensis, L. *Louse Wort.*
pallida, Ph. A.
Rhinanthus, L.
crista galli, L. *Yellow Rattle.*Plymouth. Bigelow.

SOLANEÆ.

Datura, L.
stramonium, L. *Thorn Apple.*
Hyoscyamus, L,
§ niger, L. *Hen Bane.*
Nicandra, Adans.
§ physaloides, Pers. N. B.
Physalis, L.
obscura, Mx. *Hen Bane.* A.
Pennsylvanica ? L. A,
Solanum, L.
§ dulcamara, L. *Bitter Sweet.*
nigrum, L. *Deadly Nightshade.*
Verbascum, L.
blattaria, L. *Sleek Mullein.* B. and A.
thapsus, L. *Mullein.*

VERBENACEÆ.

Phryma, L.
leptostachia, L. *Lop Seed.*
Verbena, L.
angustifolia, Mx. A.
hastata, L. *Vervain.*
urticifolia, L. *Nettle Leaf Vervain.*

LABIATÆ.

Ballota, L.
§ nigra, L. *Black Horehound. B.*
Clinipodium, L.
vulgare, L. *Field Thyme. A.*
Collinsonia. L.
Canadensis, L. *Horse Balm.*
Galeopsis, L.
§ ladanum, L. B. *Hemp Nettle.*
§ tetrahit, L. *Flowering Nettle.*
Glechoma, L.
hederacea, L. *Gill-grow-by-the-ground*
Hedeoma, Pers.
pulegioides, Pers. *Pennyroyal.*
Isanthus, Mx.
coeruleus, Mx. *False Pennyroyal.*
Lophanthus, Benth.
nepetoides, Benth. *Hyssopus nepetoides, W Giant Hyssop.*
Lamium, L.
§ amplexicaule, L. *Hen Bit. Dead Nettle.*
Leonorus, L.
cardiaca, L, *Motherwort.*

Lycopus, L.
- Europæus, L. *Water Horehound.*
- Virginicus, L. *Bugle Weed.*

Marrubium, L.
- § vulgare, L. *Horehound.*

Mentha, L.
- borealis, Mx. *Horsemint.*
- § piperita, L. *Peppermint.*
- viridis, Walter. *Spearmint.*

Monarda, L.
- clinopodia, L. B—e.
- didyma, L. B—e.
- hirsuta, Ph. Soapstone Quarry, Windsor. Dr. Porter.
- oblongata, Ait. B- e. and B. *allophyllus, Mx.*

Nepeta, L.
- cataria, L. *Catmint.*

Prunella, L.
- Pennsylvanica, W. *Heal All.*

Pycnanthemum, Mx.
- aristatum, Mx.
- incanum, Mx. *Mountain Mint.*
- lanceolatum ? Ph.
- linifolium, Ph. *Virginian Thyme.*
- verticillatum, Pers. B—e.

Scutellaria, L.
- galericulata, L. *Scull Cap.*
- laterifolia, L. *Mad-dog Scull Cap.*

Stachys, L.
- aspera, Mx. *Hedge Nettle.*
- sylvatica, L. A.
- hyssopifolia, Mx. N. B.

Teucrium, L.
- Canadense, L. *Wild Germander.*

Trichostema, L.
- dichotoma, L. *Blue Curls.*

Thymus, L.
- § vulgaris, L. *Thyme.* Longmeadow.

BORAGINEÆ.

Cynoglossum, L,
- § officinale, L. *Hound Tongue.*
- Virginicum, L. B—e.

Echium, L.
- vulgare, L. *Viper's Bugloss. B.*

Lithospermum, L.
- arvense, L. B. *Common Gromwell.*
- officinale, L. B—e.

Lycopsis, L.
- § arvensis, L. A. and B. *Wild Bugloss.*

Myosotis, L.
- § arvensis, Sibth. *Forget-me-not.*
- palustris, Rostk. B.
- Virginiana, L. *Echinospermum Virginicum, Lehm. Mouse Ear.*

Onosmodium, Mx.
- hispidum, Mx. Monson and Nantucket. *False Gromwell.*

HYDROPHYLLEÆ.

Hydrophyllum, L.
- Canadense, L. Windsor. Dr. Porter.
- Virginicum, L. A. *Water Leaf.*

TRIBE II.—GYMNOSPERMÆ.

CONIFERÆ.

Cupressus, L.
thuyoides, L. *White Cedar.* A. B. and especially N. B.

Juniperus, L.
communis, L. *Juniper.* Mount Tom and B.
Virginiana, L. *Red Cedar.*

Pinus, L.
alba, Ait. *Spruce.*
balsamea, W. *Fir Tree. Balsam Tree.*
Canadensis, L. *Hemlock Tree.*
fraseri, Ph. Saddle Mountain. Dewey.
nigra, Ait. *Black Spruce.*
pendula, Ait. *Hackmatack. Tamarack.*
resinosa, Ait. *Norway Pine.* A and Worcester Co.
rigida, L. *Pitch Pine.*
strobus, L. *White Pine.*

Taxus, L.
Canadensis, W. *Dwarf Yew. A.* Very common.

SUB-CLASS II.—ENDOGYNÆ OR MONOCOTYLEDONOUS PLANTS.

TRIBE I.—PETALOIDEÆ.

ALISMACEÆ.

Alisma. L.
plantago, L. *Water Plantain.*

Sagittaria, L.
acutifolia, Ph. *Arrow Head.*
heterophylla, Ph.
obtusa, W. N. B. Var. of S. sagittifolia.
sagittifolia, L. *Arrow Head. α latifolia. β gracilis.*

HYDROCHARIDEÆ.

Udora, Nutt.
Canadensis, Nutt. *Serpicula verticillata, Muhl.*

Valisneria, L.
spiralis, Mx. *Tape Grass.* Cambridge and Connecticut river.

XYRIDEÆ.

Xyris, L.
Caroliniana, Walt. *Yellow-eyed Grass.*

HYPOXIDEÆ.

Hypoxis, L.
erecta, L. *Star Grass.*

IRIDEÆ.

Iris, L.
versicolor, L. *Wild Iris. Blue Flag.*
Virginica, Torrey. *gracilis, Big. Boston Iris.*

Sisyrinchium, L.
anceps, L. *Blue-eyed Grass.*

ORCHIDEÆ.

Aplectrum, Nutt.
hyemale, Nutt. *Cymbidium hyemale, W. Putty Root. Adam and [Eve.* Conway.

Arethusa, L.
bulbosa, L. B. and Belchertown.

Calopogon, Brown.
pulchellus, Br. *Cymbidium puchellum, W. Grass Pink.*

Corallorhiza, Brown.
odontorrhiza, Nutt. *Cymbidium odontorizon, W. Coral Teeth.*

Cypripedium, L. [*Dragon Claw.*
humile, Sw. *acaule, Ait. Ladies' Slipper.*
pubescens, Sw. *Yellow do.*
spectabile, Sw. *Canadense, Mx.* Deerfield.

Goodyera, Brown.
pubescens, Br. *Neottia pubescens, W. Rattle Snake Leaf.*
repens, Br. B.

Habenaria, W.
blephariglottis, Hooker. A. and B. *Orchis blephariglottis, W.*
bracteata, R. Brown. *Satyrium bracteatum, Ph. O. bracteata, W.*
cristata, R. Brown. *O. cristata, Mx.* Fair Haven, T. A. Greene.
ciliaris, R. Brown. A. and B.
grandiflora, Tor. B. and A. *O. grandiflora, Big.*
herbiola, R. Brown. A. and N. B.
incisa? Spreng.
fimbriata, R. Brown.
macrophylla, Goldie. Mt. Holyoke.
psycodes, Spreng. B—e and A.
tridentata, Hook.

Listera, R. Brown.
cordata, Brown. Plainfield.

Malaxis, Sw.
liliifolia, Sw. *Liparis liliifolia, Rich. Tway blade.*
lœselii, Sw.

Mycrostylis, Nutt.
ophioglossoides, Nutt. *Adder Mouth.*

Neottia, Sw.
tortilis, Sw. *β gracilis, Torrey. Spiranthes tortilis, Rich. Ladies' Tresses.*
cernua, W. *S. cernua, Rich.* B—eA. and N.B. *Nodding Ladies'* [*Tresses.*

Orchis, L.
spectabilis, L. *Orchis.*

Platanthera, Rich.
dilatata, Lindley. *Orchis dilatata, Ph.*
orbiculata, Lindley. *O. orbiculata, Ph.*

Pogonia Brown.
ophioglossoides, Brown. *Snake Mouth Arethusa.*
verticillata, Nutt. A.

Triphora, Nutt.
pendula, Nutt. *Arethusa pendula, W.* Deerfield.

JUNCEÆ.

Juncus, L.
acuminatus, Mx. A.
bufonius, L.
bulbosus, L.
effusus, L. *Bulrush.*
militaris, Big. Tewksbury.
marginatus, Rostk. N. B.
nodosus, L.
polycephalus, Mx.
setaceus, Rostk.
tenuis, W.

Luzula, De Cand.
campestris, De Cand.
melanocarpa, Desv.
pilosa, W. A.

MELANTHACEÆ.

Helonias, L.
dioica, Ph. B—e. *Blazing Star.*
Veratrum, L.
viride, Ait. *Indian Poke. White Hellebore.*

PONTEDEREÆ.

Pontederia, L.
angustifolia, Ph. Leverett. *P. cordata, β angustifolia, Torrey.*
cordata, L. *Pickerel Weed.*
Schollera, Schreb.
graminea, Vahl. *Leptanthus gramineus, Mx. Heteranthea graminea, Ph.*

ASPHODELEÆ.

Aletris, L. *A. alba, Mx.*
farinosa, L. *False Aloe.* A.
Allium, L.
Canadense, L. *Meadow Garlic.*
tricoccum, Ait.
Asparagus, L.
§ officinalis, L.

SMILACEÆ.

Convallaria, L.
bifolia, L. *Styrandra bifolia, Raf. Smilacina Canadensis, Ph.*
canaliculata, W. B. B—e.
multiflora, L. *Polygonatum multiflorum, Des. Solomon Seal.*
pubescens, W. A. *Polygonatum pubescens, Ph.*
racemosa, L. *Smilacina racemosa, Des. Clustered Solomon Seal.*
stellata, L. *S. stellata, Des.*
trifolia, L. Pelham, Cumington, and Tewksbury. Mr. Curtis. [*S. trifolia, Des.*
umbellulata, Mx. *Dracæna borealis, L. Lily of the Valley.* A.
Gyromia, Nutt.
Virginica, Nutt. *Medeola Virginica, L. Indian Cucumber.*
Smilax, L.
herbacea, L. B—e.
pedunculatis, Muhl. *Jacobs' Ladder.*
rotundifolia, L. *Green Briar.*
Streptopus, Mx.
distortus, Mx. A. & B—e. *Uvularia amplexifolia, L.*
roseus, Mx. *U. roseus, Muhl. Rose Bell Wort.* A. & B—e.
Trillium, L.
cernuum, L. *Nodding Wake Robin.*
erectum, L. *False Wake Robin.*
grandiflorum, Salisb. Pelham. Dr. G. White.
pictum, Ph. *T. undulatum. W. Smiling Wake Robin.*
Uvularia, L.
perfoliata, Mx. *U. grandiflora, Smith. Bell Wort.*
sessifolia, L.

DIOSCOREÆ.

Dioscorea, L.
villosa, L. B.

LILIACEÆ.

Erythronium, L.
dens-canis, Mx. *E. Americanum, Smith. Dog Tooth Violet.*
Lilium, L.
Canadense, L. *Nodding Lily.*
Philadelphicum, L. *Red Lily.*
superbum, L. B.

RESTIACEÆ.

Eriocaulon, L.
gnaphalioides, Mx. B—e.
pellucidum, Mx. *Pipe Wort.*

TYPHACEÆ.

Sparganium, L.
Americanum, Nutt. N. B.
angustifolium, Mx ? B.
ramosum, Smith. *Burr Reed.*

Typha, L.
angustifolia, L. B.
latifolia, L. *Cat Tail.*

AROIDEÆ.

Acorus, L.
calamus, L. *Sweet Flag.*

Arum, L.
dracontium, L. *Green Dragon.* Deerfield.
triphyllum, L. *Indian Turnip.*

Calla, L.
palustris, L. *Water Arum.*

Lecontia, Cooper. 'A true Celadium.' Torrey.
Virginica, Coop. *Arum Virginicum, L. Rensselæria Virginica, Beck.* Belchertown.

Orontium, L.
aquaticum, L. *Golden Club.* Southwick, Dr. Porter.

Pothos, Mx.
fœtida, Mx. *Symplocarpus fœtidus, Nutt. Ictodes fœtidus, Big. [Skunk's Cabbage.*

FLUVIALES.

Najas, L.
Canadensis, Mx. *Caulinia flexilis, W.* A.

Potamogeton, L.
compressum, W. A. and N. B.
fluitans, L.
gramineum, Mx. A. and B. *pauciflorum, Ph.*
heterophyllum, Schreb. A.
lucens, Mx. B.
natans, L.
pectinatum, L. B—e. and N. B.
perfoliatum, L.
setaceum, Ph. *diversifolium, Barton.* A. and B.

Ruppia, L.
maritima, L. *Sea Teazel Grass.* B.

Zostera, L.
marina, L. *Grass Wrack.*

JUNCAGINEÆ.

Scheuchzeria, L.
palustris, L. Belchertown.

Triglochin, L.
maritimum, L. *Arrow Grass.* B.

PISTIACEÆ.

Lemna, L.
minor, L. *Duck-meat.*
polyrrhiza, L. *Waterflax Seed.* A.
trisulca, L. A.

TRIBE II.—GLUMACEÆ.

GRAMINEÆ.

Agrostis, L.
canina, W. B.
clandestina, Spreng. B.
lateriflora, Mx. A & N. B.

Agrostis, L.
longifolia. Torrey. A.
polymorpha, Trinnius. *alba, L. A. White Top Grass.*
sobolifera, Muhl. A.
sylvatica, Torrey. B—e.
tenuiflora, Willd. A.
Virginica, L.
vulgaris, Smith.

Aira, L.
flexuosa, L. *Hair Grass.*

Alopecurus, L.
geniculatus, L. *Floating Fox Tail.*
pratensis, L. *Meadow Grass.*

Andropogon, L.
furcatum, Muhl. *Forked Spike.*
macrourum, Mx. N. B.
nutans. L. *Beard Grass.*
purpurascens, Muhl. N. B.
Virginicum ? L. N. B.

Anthoxanthum, L.
odoratum, L. *Sweet Vernal Grass.*

Aristida, L.
dichotoma, Mx. *Beard Grass.*
gracilis, Ell. N. B.
purpurascens, Poir. *A. racemosa, Muhl.* N. B. & A.

Arrhenatherum, P. de B.
avenaceum, P. de B. *Avena elatior. L.*
Pennsylvanicum, Torrey. B—e.

Arundo, L.
Canadensis, Mx. *Calamagrostis Mexicana, Nutt.* B. & A.
coarctata, Torrey. *Canadensis, Nutt.* B. & A.

Briza, L.
media, L. B.

Bromus, L.
ciliatus, L. B—e.
purgans, L. B.
pubescens, Muhl. *Broom Grass.*
§ secalinus, L. *Chess. Cheat.*
mollis, L.

Cenchrus, L.
echinatus, L. Near Boston. Mr. M. A. Curtis.

Cinna, L.
arundinacea, W. *Indian Reed.*

Danthonia, De Cand.
spicata, P. de B. *Avena spicata, L. Wild Oats.*

Dactylis, L.
glomerata, L. *Orchard Grass.*

Digitaria, Haller.
filiformis, Ell. A. & N. B.
sanguinalis, Scop. *Finger grass. A. & B—e.*

Elusine, Gærtner.
indica, Lamb. *Cynosurus indica, L. Wire Grass. A.*

Elymus, L.
Canadensis, L. β. glaucifolius, Torrey.
hystrix, L.
villosus, Muhl. *Wild Rye. Lime Grass.*
Virginicus, L.

Festuca, L.
duriuscula, L. N. B.
elatior, L. *Fescue Grass.*
pratensis, Huds. B—e,

Festuca, L
nutans, W.
tenella, W. A. & B—e.
Glyceria, R. Brown.
fluitans, R. Brown. *Festuca fluitans, L. Water Fescue.*
acutiflora, Torrey.
Hierochloa, Gmelin.
borealis, R & S. *Holcus odoratus. L. Seneca Grass. B.*
Holcus, L.
lanatus, L. *Velvet grass, B.*
Hordeum, L.
jubatum, L. B.
Kœleria, Pers.
Pennsylvanica, De Cand. *Aira mollis, Muhl. A.*
truncata, Torrey. *A. truncata, Muhl.*
Leersia, Swartz.
oryzoides, Sw.
Virginica, W. *Cut Grass.*
Lolium, L.
perenne, L. *Darnel Grass.*
Muhlenbergia, Schreb.
erecta, S. *Drop Seed-grass.*
Oryzopsis, Mx..
asperifolia, Mx. *Mountain Rice.*
Panicum, L.
agrostoides, Muhl. A. & N. B.
anceps, Mx. Cambridge. Mr. M. A. Curtis.
capillare, L.
clandestinum, L. A.
crus-galli, L. *Barn-Grass.*
dichotomum, L.
depauperatum, Muhl. A. and B—e.
discolor, Muhl. B.
geniculatum, Muhl. *proliferum, Lam. A.*
hispidum, Muhl. A. and N. B.
involutum, Torrey. A.
latifolium, L.
macrocarpon, Torrey. A.
nervosum, Muhl. A. and B.
nitidum, Lmk.
virgatum, L. A. and B.
Paspalum, L.
ciliatifolium, Mx. N. B.
setaceum, Mx. *Paspalon Grass.* A. Woburn. Mr. Curtis.
Phalaris, L.
Americana, Ell. *Calamagrostis colorata, Nutt. Ribbon Grass.*
Phleum, L.
pratense, L. *Timothy Grass.*
Piptatherum, Beauv.
nigrum, Torrey. *Oryzopsis Melanocarpa, Muhl. Milium racemosum, Smith. Clustered Millet-Grass.*
Poa, L.
annua, L.
aquatica, β Americana, Torrey.
Canadensis, Torrey.
capillaris, L. A. and B.
compressa, L.
dentata, Torrey. A. N. B. and B—e.
elongata, Torrey. *Torreyi, Spreng.*
eragrostis, L. A. and B.
hirsuta, Mx. A. and B.
maritima, Huds. B.

Poa, L.
nemoralis, L. A. and B—e.
nervata, W.
obtusa, Muhl. B.
palustris, Muhl. A.
pectinacea, Mx. A.
pratensis, L.
reptans, Mx. A.
trivialis, L. A. N. B. and B—e.

Polypogon, Des.
glomeratus, W. *Agrostis racemosa, Mx. racemosus, Nutt.* A.

Phragmites, Trinius.
communis, Trin. *Arundo phragmites, W.*

Psamma, P. de Beauv.
arenaria, P. de Beauv. *Arundo arenaria, L. E.*

Setaria, P. de Beauv.
viridis, P. de B. *Panicum viride, L.*
glauca, P. de Beauv. *Panicum glaucum, L. Fox-tail Grass.*
italica, P. de Beauv. B—e. *P. italicum, L.*
verticillata, P. de Beauv. Boston. *P. verticillatum, L.*

Spartina, Schreb.
cynosuroides, W. B. *Limnetis cynosuroides and polystachia, Ph.*
glabra, Muhl. B. [*Rough Grass.*
juncea, W. B. *L. juncea, Ph.*

Stipa, L.
avenacea, L. B.
Canadensis, Lmk. A. and B. *Milium pungens, Torrey Oryzopsis parviflora, Nutt.*

Trichochloa, De Cand,
capillaris, De Cand. *Agrostis sericea, Muhl.* Sugar Loaf, Deerfield. Dr. Cooley.

Trichodium, Mx.
laxiflorum, Mx. *Tickle Grass.*
scabrum, Muhl. A. and B—e.

Tricuspis, Pe de Beauv.
sesleroides, Torrey. *Poa quinquefida, Ph.* A. and B—e.

Trisetum, Pers.
palustre, Torrey. *Aira pallens, Muhl.*
purpurascens, Torrey. B—e.

Triticum, L.
repens, L. *Wheat Grass. Quake Grass.* B.

Uniola, L.
spicata, L. *Spike Grass.* B.

Uralepsis, Nutt.
aristulata, Nutt. N. B.

Zizania, L.
clavulosa, Mx. *Water Oats. Wild Rice.* B. and Northampton.

CYPERACEÆ.

Carex, L. *Sedge Grass.*
acuta, L. A. and B—e.
alba, Hænke, B—e.
alpestris, All.
ampullacea, W. Deerfield.
anceps, Muhl. A. B—e and B.
aquatilis, Wahl. B—e.
aurea, Nutt. B—e.
blanda, Dewey. A. and B—e.
bromoides, Schk. A. and B—e.
bullata, Schk. A. and B—e.
Buxbaumii, Wahl. A.
cæspitosa, L. A. and B—e. and B.

Carex, L.

cephalophora, Muhl. A. B. and B—e.
collecta, Dewey. Worthington.
conoidea, Schk. A. and B—e.
crinata, Lamk. A. B—e. and B.
cristata, Schw. A. and B—e.
curta, Good. B. A. and B—e.
Davisii, Dewey. A. and B—e.
Deweyana, Schw. A. and B—e.
disperma, Dewey. A. and B—e.
festucacea, Schk. A. and B—e.
filiformis, L. A. and B—e.
flava, L.
flexuosa, Muhl. A. and B.
folliculata, L. A. B—e. and B.
formosa, Dewey. A. and B—e.
gracillima, Dewey. A. and B—e.
granularis, Muhl. A. and B—e.
Halseyana, Dewey. Westfield.
hirsuta, W. A. and B—e.
Hitchcockiana, Dewey. Williamstown.
hystericina, W. A. and B.
lacustris, W. A. B—e. and B.
lagopodioides, Schk. A. and B—e.
laxiflora, Lam. A. and B—e.
limosa, L. Ashfield.
longirostris, Torrey. A. and B—e.
lupulina, Muhl. A. B—e. and B.
marginata, Muhl. A. B—e. and B.
miliacea, Muhl. A. and B—e.
Muhlenbergii, Schk. B—e.
multiflora, Muhl. B—e.
muricata. B—e.
Novæ-Angliæ, Schw. A. and B—e.
oligocarpa, Schk. A. and B—e.
pallescens, L. A. and B—e.
paniculata, L. A. and B.
pauciflora, Light. Ashfield.
pedunculata, Muhl. A. and B—e.
pellita, Muhl. A.
plantaginea, Lam. A. B—e. and B.
polytricoides, Muhl. A. and B—e.
pseudo-cyperus, L. A. B—e. and B.
pubescens, Muhl. A. and B—e.
retroflexa, Muhl. A. and B—e.
retrorsa, Schw. B—e. and Plainfield.
rosea, Schk. A. and B—e.
scabrata, Schw. A. and B—e.
scirpoides, Schk. A. and B—e.
scoparia, Schk. A. B—e. and B.
Schweintzii, Dewey. B—e.
setacea, Dewey. B—e.
siccata, Dewey. Westfield.
sparganoides, Muhl. A. B—e. and B.
squarrosa, L. Hadley.
stellulata, Good. A. B—e. and B.
sterilis, W. A. and B—e.
stipata, Muhl. A. B—e. and B.
straminea, W. A. B—e. and N. B.
stricta, Good. A. and B—e.
sylvatica, Huds. A. and B—e.
tenera, Dewey. A. and B—e.
tentaculata, Muhl. A. B—e. and N. B.
teretiuscula, Good. A. and B—e.
tetanica, Schk. A. and B—e.
Torreyana, Dewey. A. and B—e.
triocarpa, Muhl. A. and B—e.
trisperma, Dewey. A. and B—e.

Carex, L.
umbellata, Schk. A. and B—e.
varia, Muhl. A. and B—e.
vesicaria, L. A.
vestita, W. A.
virescens, Muhl. A. B—e. and N. B.
xanthophysa, Wahl. A. B—e. and N. B.

Cyperus, L.
Nuttallii, Torrey. A.
dentatus, Torrey. A. and B.
diandrus, Torrey. A. and B.
flavescens, L. N. B. and B—e.
mariscoides, Ell. *Scirpus cyperiformis, Muhl.* A. and B.
strigosus, L. A. and B—e.
uncinatus, Ph. *inflexus, Muhl.* A. and B.

Dulichium, Richard.
spathaceum, Pers. *Galingale.*

Eriophorum, L.
alpinum, L. (*See Torrey's Flora.*)
augustifolium, Roth. A. and B.
cespitosum, Ph. A. and B—e.
polystachium, L. A. B. and B—e.
Virginicum, L. *Cotton Grass.* A. B. and B—e.

Fuirena, L.
squarrosa, of authors, not of Mx. Tewksbury. Mr. A Curtis.

Rhyncospora, L.
alba, Vahl. A. B. and B—e.
glomerata, Vahl. A.
macrostachya, Torrey. MS. Belchertown and Leverett.

Scirpus, L. *Rush.*
acicularis, L. *S. trichodes. Muhl.* A. B. & B—e.
acutus Muhl. B. and B—e.
atrovirens, Muhl. A. and B—e.
autumnalis, Muhl. A. and B.
brunneus, Muhl. A.
capillaris, L. A. and B.
capitatus, L. A. B. and B—e.
debilis, Muhl. A. and B.
eriophorum, Mx. A. and B. *Tricophorum cyperinum, Pers.*
intermedius, Muhl. A.
lacustris, L. A.
lineatus, Mx. Plainfield. *Tri. lineatum, Pers.*
maritimus, L. B.
palustris, L. A. and B.
planifolius, Muhl. A. B. and B—e.
subsquarrosus, Muhl. A.
subterminalis, Torrey. Leverett.
tenuis, W. A. B. and B—e.
triqueter, Mx. A. and B—e. *S. Americanus, Pers.*
tuberculosus, Mx. A.

Scleria, L.
triglomerata, Mx. *Whip Grass.*

Schœnus, L.
mariscoides, Muhl. *Bog Rush.* Belchertown and Leverett.

CLASS II.—CELLULARES,

OR

FLOWERLESS PLANTS.

TRIBE I.—FILICOID PLANTS.

EQUISETACEÆ.

Equisetum, L.
- arvense, L. *Horse Tail.* A. B. and B—e.
- hyemale, L. *Rough Horse Tail. Scouring Rush.* A. B. and B—e.
- sylvaticum, L. A. B. and B—e.
- palustre, L. A.
- scirpoides, Mx. *E. variegatum, Smith.* A. B. and B—e.
- uliginosum, W. *E. limosum, L. Pipes.* A. B. and B—e.

FILICES.

Adianthum, L.
- pedatum, L. *Maiden Hair. Mow Hair.*

Aspidium, Swartz. *Brake. Fern.*
- acrostichoides, W. A. B. and B—e.
- angustum, W. B—e.
- asplenoides, W. A. and B.
- bulbiferum, W. B—e.
- cristatum, W. A.
- dilatatum, W. *intermedium, L.* A. N. B. and B—e.
- tenue, Ph. A.
- Goldianum, Hooker. *Felix-Mas.* Ph. A and B—e.
- intermedium, Muhl. Dr. Porter.
- lancastriense, Muhl. B.
- marginale, W. *Nephrodium marginale, Mx.* N. B. and B—e.
- noveboracense, W. A. B. and B—e.
- spinulosum, W. B—e.
- thelypteris, Willd. B. and Plainfield.

Asplenium, L. *Brake. Fern.*
- angustifolium, Mx. *Spleen Wort.* B—e. B. and A.
- ebenum, W. B—e. B. and A.
- melanocaulon, W. B—e. B. and A.
- rhizophyllum, W. *Walking Leaf.* B—e. B. and A.
- ruta-muraria, L. B—e. B. and A.
- thelypteroides, Mx. *acrostichoides, Sw.* B—e. B. and A.

Botrychium, Swartz.
- fumaroides, W. *Grape Fern.* A. B. and B—e.
- simplex, Hitchcock. A.
- Virginicum, Swartz. A. B. and B—e.

Dicksonia, l'Herit.
- pilosiuscula, W. *Aspidium punctilobum, W.*

Hypopeltis, Torrey.
- obtusa, Torrey. *Aspidium obtusum,* W. *Woodsia periniana,* A. *Hook. and Grev.*

Lygodium, Sw.
- palmatum, Swartz. *Climbing Fern.* Amherst and Becket.

Onoclea, L.
- sensibilis, L. *Sensitive Fern.* A. B. and B—e.

Ophioglossum, L.
- vulgatum, L. *Adder Tongue Fern.* A.

Osmunda, L.
- cinnamomea, L. B—e. and A.

Osmunda, L.
interrupta, Mx. B. B—e. and A.
spectabilis, *O. regalis, Mx.* W. B. B—e. and A.
Polypodium, L.
calcareum, Sm. A. and B—e.
connectile, W. *P. phegopteris, L.* B. A. and B—e.
hexagonopterum, Mx. A. and B—e.
vulgare, L. *Polypod.* B. A. and B—e.
Pteris, L.
aquilina, L. *Common Brake.* B. B—e. and A.
atropurpurea, L. *Rock Brake.* A.
Struthiopteris, W.
Pennsylvanica, W. A. and B.
Woodsia, R. Brown.
ilvensis, Ph. *W. rufidula, Beck.* A. and B.
Woodwardia, Smith.
angustifolia, Sm. *W. onocleoides, W.* N. B
Virginica, W. Tewksbury, Big. Malden. Curtis.

LYCOPODIACEÆ.

Lycopodium, L. *Ground Pine.*
annotinum, L. A.
apodum, L. A.
clavatum, L. *Club Moss.* B. B—e. and A.
Carolinianum, L. B.
complanatum, L. *Gronnd Pine.* B. B—e. and A.
dendroideum, Mx. do. B. B—e. and A.
inundatum, W. N. B.
lucidulum, Mx. *Moon Fruit Pine.* B. and A.
rupestre, L. B. B—e. and A.

TRIBE II.—MUSCOIDEÆ.

No Catalogues of the remaining orders of plants have been published in Massachusetts, except for Berkshire County and the vicinity of Amherst College, or the valley of the Connecticut. B—e, as usual, is added to those species that are found in Berkshire: and B—e * to the few that are peculiar to Berkshire. All, that have not the star annexed, occur in the Connecticut Valley, and doubtless this list falls far short of the actual number.

MUSCI.

Anictangium, Hedw.
filiforme, Hedw. *Hedwigia filiformis, P. de Beauv.* B—e.
Anomodon, Hooker and Taylor.
viticulosum, H. and T. *Neckera viticulosa, Hedw.*
Arrhenopterum, Hedw.
heterostichum, Hedw. *Byrum arrhenopterum, Dill.*
Bartramia, Hedw.
crispa ? Sw. B—e.
fontana, Hooker.
gracilis, Sm. *Oederi. Schwaegrichen.*
pomiformis, Hedw.
Bryum, L.
anomogynum, Hedw.
aureum.
argenteum, L. B—e.
cæspiticium, L. B—e.
cuspidatum, Schreb. B—e.
nutans, Schreb. *Webera nutans, Hedw.* B—e.
punctatum, Schreb.

Bryum, L.
roseum, Schreb. B—e.
triquetrum, Turner. *Meesia longiseta, Hedw.*
turbinatum, Sw.
Buxbaumia, L.
aphylla, L.
Catharinea, Ehrh.
undulata, Web. and Mohr. *Polytrichum undulatum, Hedw.*
Climacium, Web. and Mohr.
Americanum, Brid. *Hypnum dendroides, L.* B—e.
Dicranum, Hedw.
cerviculatum, Hedw.
glaucum, Hedw. B—e.
heteromallum, Hedw. B—e.
orthocarpon, Hedw. B—e.
polycarpum, Ehrh.
scoparium, Hook. and Tay. B—e.
strictum, Brid.
undulatum, Ehrh.
Diphyscium, Web. and Mohr.
foliosum, Web. & Mohr. *Hymenopogon heterophyllum, P. de B.*
Didymodon, Hedw.
purpureum, Hooker and Tay. *Dicranum purpureum, Hedw.*
Diplocomium, Web. and Mohr.
longisetum, Web. and Mohr. B—e. *Meesia longiseta.*
Encalypta, Schreb.
ciliata, Hedw. Deerfield.
Fissidens, Hedw.
adianthoides, Hedw.
taxifolius ? Hedw.
Fontinalis, L.
antipyretica, L. B—e.
squamosa. Dr. J. Porter. Massachusetts.
Funaria, Hedw.
flavicans, Muhl. B—e.
hygrometrica, Hedw. B—e.
Grimmia, Hedw.
leucophœa, Hook. and Tay.
ovata ?
pilifera, Mx.
pulvinata, Smith.
Gymnostomum, Hedw.
Drummondi, Hook.
prorepens, Hook.
pyriforme, Hedw.
Hypnum, Hedw.
abietinum, L.
acuminatum, B—e. *
confertum, Dicks.
Cooleyanum, Spreng. B—e.
cristacastrensis, L. B—e.
cupressiforme, Hook. B—e.
cuspidatum, L.
denticulatum, L. B—e.
dimorphum, Brid.
filicinum, L.
fragile, Brid.
hians, Muhl.
imponens, Hedw. B—e.
lutescens, Schreb.
minutulum, B—e.*
proliferum.
riparium, Hook.
rutabulum, B—e. *

Hypnum, Hedw.
- salebrosum, B—e. *
- serpens, L. B—e.
- striatum, Schreb.
- tenax ? Hedw.
- Torreyanum, Spreng.
- triquetrum, L. B—e.

Leskea, Spreng.
- acuminata, Hedw. B—e.
- curvata, Voit. Deerfield.
- obscura, Hedw.

Leucodon, Schwaeg.
- sciuroides, Schwaeg.

Neckera, Hedw.
- minor, P. de Beauv.
- pennata, Hedw. B—e.

Orthotrichum, Hedw.
- affine, Hook. and Tay.
- anomalum, Hedw.
- clarellatum.
- crispum, Hook. and Greville.
- cupulatum, Hoffm?
- Drummondi, Hook. & Grev.
- Hutchinsiæ, Hook. & Grev.
- pumilum, Swartz.
- speciosum.
- strangulatum, P. de Beauv.
- reticulosum.

Polytrichum, L.
- aloides, Hedw. B—e.
- alpestre, Funck. Dr. J. Porter.
- commune, L. Dr. J. Porter.
- formosum, Hedw.
- juniperinum, W. B—e.
- pallidisetum, Hook. &Taylor. Dr. J. Porter.
- perigoniale. B—e. *

Pterogonium, Sw. *Pterigynandrum, Hedw.*
- apiculatum, Brid.
- hirtellum, Hedw.
- intricatum, B—e. *
- julaceum, Hedw.
- subcapillatum, Hedw.
- trichomitrion, Swartz. B—e.

Sphagnum, L.
- acutifolium, Hook. and Tay.
- latifolium. B—e. *
- obtusifolium, Hook. *cymbifolium, Sw.*
- squarrosum, Web. and Mohr.

Tetraphis, Hedw.
- pellucida, Hedw.

Timmia, Hedw.
- cucullata, Mx. B—e.

Trematodon, Rich.
- longicollis, Rich. Deerfield.

Trichostomum, Hedw.
- pallidum, Hedw. B—e.

Weissia, Hedw.
- controversa.
- microdonta, Hedw. B—e.
- viridula, Hedw. B—e.

HEPATICÆ.

Anthoceros, L.
- levis, L.

Blasia, L.
pusilla, L. *Jungermannia blasiæ. Hook.*
Jungermannia, L.
tridentata, Schw. Dr. Porter.
complanata, L. *Plaited Moss.*
ciliaris, L. J. *sertularioides, Mx.*
dilatata, Web. Dr. Porter.
multifida, L. Do.
pinguis, L.
platyphylla, L.
porella, Dickson. Ware. Mr. Emerson Davis.
scalaris, Schwein.
sphagni, Dick. *crenulata, Hook. & Tay.* Dr. Porter.
tamarisci, Martens.
tomentella, Ehrh.
trilobata, Web.
tridenticulata, Mx.
Marchantia, L. *Liverwort.*
conica, L. B—e.
crinita, Mx.
cruciata ? L. *Stawrophora pulchella, W.*
polymorpha, L. *Brook Liverwort.* B—e.
triceps, Schw. MS.
Riccia, L.
fluitans, L. *Forkstems.* B—e. *
natans, L. *Floating Liverwort.* B—e.
lutea.

CHARACEÆ.

Chara, L.
flexilis, W.
foliosa, W.
vulgaris, L. *Feather Beds.*

TRIBE III.—APHYLLÆ, OR LEAFLESS FLOWERLESS PLANTS.

LICHENES.

According to Acharius, except where other authorities are mentioned.

Alectoria.
jubata. *Negro Hair.*
Arthonia.
punctiformis.
radiata.
Bæomyces, Pers.
roseus, Pers.
Borrera.
chrysophthalma. On the coast.
Calicium.
quercinum. Plainfield.
tigillare. Cummington. Dr. Porter.
Cenomyce.
allotropa.
baccillaris.
botrytes.
capitata.
coccifera.
endivœfolia.
cæspititia.
gonorega.
pyxidata.
rangiferina.
Vars. 1 sylvatica.
2 alpestris.
3 minor.
verticillata.

Cetraria.
ciliaris.
glauca.
lacunosa.
viridis, Schw. Abington. Dr. Porter.
Collema.
furvum.
juglandii, Schw.
lacerum.
tunæforme.
Cornicularia, Schreb.
fibrillosa.
Endocarpon, Hedw.
Hedwigii, Ach. Dr. Porter.
miniatum, B—e.
smaragdulum. Plainfield. Dr. Porter.
Weberi. do. do.
Evernia.
prunastri. *Borrera purpuracea, Spreng.*
Graphis, Adanson.
scripta.
Gyrophora.
deusta.
Muhlenbergii, B—e.
papulosa, B—e.
vellea.
Hysterium, Tode.
rufescens, Schw.
Lecanora.
albella.
atra. *var.* liquatilis.
brunnea.
cæsio-rubella.
candellaria.
fulva, Schw.
granulosa.
parella.
salicina. Plainfield. Dr. Porter.
Smithii, Ach. Abington. Dr. Porter.
sophodes ?
supfusca.
tartarea.
tuberculosa.
varia.
vitellina.
Lecidea.
albella, Schw. MS.
albo-cærulescens.
carneola.
confluens. Chesterfield. Dr. Porter.
demissa.
Ehrhartiana.
immersa.
œderi ?
parasema.
subfusca.
umbrina.
Lepraria.
sulphurea.
Nephroma.
resupinata, Spreng.
Opegrapha.
macularis. Plainfield. Dr. Porter.

Parmelia. *Shield Lichen.*
- aipolia.
- aleurites.
- cæsia.
- caperata.
- ciliaris ?
- colpodes.
- corrugata.
- crinita?
- cristulata.
- cycloselis.
- herbacea.
- olivacea.
- parietina.
- perforata.
- physodes.
- physodoides, Schw. MS.
- placorodia, Muhl.
- plumbea.
- rutilans. Plainfield. Dr. Porter.
- saxatilis.
- scortea:
- stellaris.
- tiliacea.
- ulothrix.
- venusta.

Peltidea.
- apthosa.
- canina.
- horizontalis.
- scutata. *Target Lichen:*
- venosa.

Porina.
- fallax.
- papillata.
- pertusa.

Pyrenula, Spreng.
- enteroleuca, Spreng. Plainfield. Dr. Porter.

Ramalina.
- fastigiata.
- fraxinea.
- polymorpha.

Stereocaulon, Schreb.
- paschale.

Sticta, Schreb.
- aurata, Smith in Rees' Cyc. Western. Dr. Porter.
- crocata. Ashfield. Dr. Porter.
- palmonacea.
- scrobiculata.
- sylvatica.

Usnea, Schreb.
- florida, Hoffm.
- plicata, Hoffm.
- strigosa. Plainfield. Dr. Porter.

Variolaria, Pers.
- corallina. Plainfield. Dr. Porter.
- velata.

Verrucaria.
- gemmata.
- stigmatilla, Plainfield. Dr. Porter.

FUNGI.

Æcidium, Pers.
- helianthi mollis? Schw.
- solidaginis, Schw. and many others.

Agaricus, L.
- alneus, L
- campestris, L. B—e.
- coccineus. B—e.*
- coriaceus, Bull.
- disseminatus, Pers.
- papyraceus. B—e.*
- salignus, Pers.
- trabeus ? Pers.
- velutipes, Curtis. And several decades more undetermined.

Amanita, Pers.
- cesareus, Schaeff.
- livida ? Pers.

Arcyria, Pers.
- punicea, Pers.

Boletus, L.
- adustus, W. *Polyporus adustus, Fries.*
- alneus, Pers. *P. cuticularis, Fr.*
- badius, Pers. *P. varius, Fr.*
- betulinus, Bull. *P. betulinus, Fr.*
- bovinus, L.
- brumalis, Pers. *P. brumalis, Fr.*
- carbonarius, Schw. MS.
- cinnabarinus, Jacq. *P. cinnabarinus, Fr.*
- citrinus, Planer. *P. sulphureus, Fr.*
- communis. B—e.*
- conchifer, Schw.
- delicatulus, Schw. MS.
- ferrugineus. Schaeff.
- igniarius, L. B—e.
- isabellinus, Schw. *P. isabellinus, Fr.*
- leptocephalus, Jacq. *P. leptocephalus, Fr.*
- lucidus, Curtis. *P. lucidus, Fr.*
- lutans. B—e.*
- mucidus, Pers. *P. mucidus, Fr.*
- nigro-marginatus, Schw.
- nitidus, Pers. *P. nitidus, Fr.*
- perennis, L. *P. perennis, Fr.*
- polycephalus, Pers. *P. umbellatus, Fr.*
- ramosus, Bull. *P. imbricatus, Fr.*
- reticulatus, Pers. *P. reticulatus, Fr.*
- salicinus, Pers. *P. salicinus, Fr.*
- squamosus, Hudson. *P. squamosus, Fr.*
- tulipiferæ, Schw.
- varius, Pers. *P. varius, Fr.*
- velutinus, Pers. *P. vetulinus, Fr.*
- versicolor, L. *P. versicolor, Fr.*

Bovista, Dillenius.
- nigrescens ? Pers. *Puff Ball.*

Cantharellus, Adanson.
- pusillus, Fries.
- undulatus ? Fries.

Clavaria, Vaillant.
- aurantiaca, Pers.
- coralloides, L.
- helveloides ? Withering.
- pistillaris, L.
- rufa ? Muhl.
- tenuis, Sowerby.

Dædalea, Pers.
- albida, Schw. *Sistotrema violaceum, Pers.*
- cinerea, Fries.
- confragosa, Bolton.

Dædalea, Pers.
latissima, Fries.
quercina.
sepiaria, Wulfen.
Fistulina, Bull.
hepatica, Fries. *Boletus hepaticus, Pers.* Plainfield, Dr. Porter.
Fugligo, Pers.
rufa ? Pers.
Geastrum, Pers.
hygrometricum, Pers.
rufescens, Schaeff.
Geoglossum, Pers.
hirsutum, Pers.
Glonium, Muhl.
stellatum, Muhl.
Gyropodium, Schw.
coccineum, Schw. MS. *Mitremyces luteseens, Schw. in Sy-*
[nopsi Fungorum Carolinæ.
Helotium, Pers.
aciculare ? Pers. *Peziza Helot. acic. Fries.*
Helvella, L.
albida, Bull.
esculenta, Pers.
mitra ? L.
Himantia, Pers.
candida, Pers.
domestica, Pers.
Hydnum, L.
coralloides, Scop. Conway and Ashfield.
coriaceum, Torrey. MS.
cyathiforme, Bull.
gelatinosum, Scop.
imbricatum, L.
occarium, Batsch.
repandum, L.
tomentosum ? L.
Hysterium, Tode.
pulicare, Pers.
rufescens, Schw.*
Leotia, Hill.
chlorocephala, Schw.
Licea, Schrader.
variabilis, Schrad.
Lycogola, Pers.
miniata, Pers.
Lycoperdon, L. *Puff Ball. Smoke Ball.*
bovista, Pers. non Bull. B—e.
excipuliforme, Scop.
molle ? Pers.
pratense, Pers.
pyriforme, W. B—e.
Merisma, Pers.
cristatum, Pers. *Thelephora. Meris. crist. Fries*
Merulius, Haller.
agaricoides, Schw. MS.
cantharellus, Pers. *Cantharellus cibarius, Fries.*
cornucopiodes, With. *Cantharellus Corn. Fries.*
elegans, Pers.
tremellosus, Schrad.
Morchella, Dill.
esculenta, Pers.

* Inserted by mistake among the Lichens.

Morchella, Dill.
patula ? Fries.
Mucor, L.
herbariorum, Wigg.
mucedo, Pers.
Næmaspora, Spreng.
crocea, Pers.
Nidularia, Bull.
campanulata, Sibth. *Cyathus olla, Pers.*
striata, Bull. *Cyathus striatus, Hoffm.*
Peziza, L.
acetabulum, L.
auriformis, Schw.
brunnea, Fries.
citrina, Batsch.
clypeata? Schw.
hemispherica, Wigg.
inquinans, Pers.
lenticularis, Bull.
mitrula, Schw.
nigrella, Pers.
scutellata, L.
umbrina, Pers.
Phallus, Mx.
impudicus, L. B—e.
Physarum, Pers.
cinereum, ? Pers.
Polyporus, Micheli.
abietinus, Fries. *Sistotrema violaceum, Pers.*
croceus, Fries.
Racodium, Pers.
xylostroma, Pers. *Xylostroma giganteum, Tode. Oak Leather.*
Rhizomorpha, Pers. [*Punk.*
subcorticalis, Micheli.
Scleroderma, Pers.
cervinum, Pers,
Sclerotium, Tode.
radiciforme, Schw. MS. A remarkable subterranean species.
Sistotrema, Pers. [Conway
cinereum, Pers.
Spermoedia, Fries.
clavus, Fries. *Sclerotium Clavus, De Cand. Ergot.* B—e.
Sphæria, Hall.
bulbosa, Pers.
concentrica, Tode.
curvirostris, Schw. MS. *non curvirostra, Sowerby.*
decolorans, Pers.
fragiformis? Pers.
gyrosa, Schw.
hypoxylon, Pers. Dr. Porter.
lata, Pers.
militaris, L.
nivea, Hoffm.
polymorpha, Pers.
rubiginosa, Pers.
scoparia, Schw.
Stemonitis, Gleditsch.
fasciculata, Pers.
Thelephora, Ehrh.
aurantia, Ehrh.
caryophylla, Schæff.

Thelephora, Ehrh.
crispa, Pers.
fasciata, Schw.
ferruginea, Pers. No. 9.
flabellaris, Fries.
frustulata, Pers.
gigantea, Fries.
hirsuta, W.
hydnoidea, Pers.
incarnata, Pers.
lævis, Pers.
multipartita, Schw. MS.
palmata, Fries.
polygonia, Pers.
purpurea, Pers.
quercina, Pers.
rubiginosa, Schrad.
rugosa, Pers.
spadicea ? Pers.
terrestris, Ehrh.
verrucosa, Schw. MS.

Tremella, Dill.
mesenterica, Retz.

Trichia, Haller.
varia, Pers.

Tubercularia, Tode.
castanea, Pers.
pezizoidea, Schw. MS.
rosea, Pers.
vulgaris, Tode.

Tubulina, Pers.
fallax ? Pers.
fragiformis, Pers.

Uredo, Pers.
caricis, Pers. *On Carex varia.*
flava, B—e.*
linearis, Lamb. *On the leaves of Oats, Rye, Wheat, &c.*
zeæ, Schw. *Smut on Indian Corn.*

Xyloma, Pers.
acerinum, Pers.
andromedæ, Pers.

ALGÆ.

So far as I know, scarcely any attention has been given to this order of plants in Massachusetts.

Conferva, L. *Frog's Spittle.*
fontinalis, L. et plures aliæ.

Fucus, L.
nodosum, L. } On the coast with
vesiculosus, L. } other species.

Laminaria.
saccharina, Agardh. *Kelp. Devil's Apron.*

Lemania, Agardh.
fluviatilis, Agardh. Turners Falls.

Solenia, Agardh.
compressa, Agardh. On the Coast.

Spongia, L.
fluviatilis, L. Leverett and Chesterfield. Enumerated among the radiated animals. But most probably it is a plant.

Sphærococus, Agardh.
confervoides, Agardh. On the coast.

Ulva, L.
lactuca, Agardh.
latissima, L. On the coast, with several other species.

Summary of the Genera and Species of Plants in the preceding Catalogue.

FLOWERING PLANTS.

	Orders.	*No. Gen.*	*No. Species.*
1	Acerineae,	1	5
2	Alismaceae,	2	5
3	Amaranthaceae,	1	5
4	Anacardiaceae,	1	7
5	Amygdaleae,	2	9
6	Apocyneae,	1	3
7	Araliaceae,	2	5
8	Aristolochiae,	1	1
9	Aroideae,	6	7
10	Artocarpeae,	1	2
11	Asclepiadeae,	1	11
12	Asphodeleae,	3	4
13	Balsamineae,	1	2
14	Berberideae,	2	2
15	Betulineae,	4	11
16	Borragineae,	6	10
17	Cacteae,	1	1
18	Callitrichineae,	1	2
19	Campanulaceae,	1	3
20	Caprifoliaceae,	9	24
21	Caryophylleae,	11	26
22	Celastrineae,	1	1
23	Ceratophylleae,	1	1
24	Chenopodeae,	6	14
25	Cinchonaceae,	2	2
26	Circæaceae,	1	2
27	Cistineae,	3	7
28	Compositae,	38	150
29	Coniferae,	4	13
30	Convolvulaceae,	2	4
31	Crassulaceae,	1	1
32	Cruciferae,	15	23
33	Cucurbitaceae,	2	2
34	Cupuliferae,	4	15
35	Cyperaceae,	9	124
36	Dioscoreae,	1	1
37	Dipsaceae,	1	1
38	Droseraceae,	1	3
39	Ericeae,	11	18
40	Euphorbiaceae,	2	5
41	Fluviales,	4	12
42	Fumariaceae,	2	5
43	Gentianeae,	5	10
44	Geraniaceae,	1	3
45	Gramineae,	47	121
46	Grossulaceae,	1	8
47	Halorageae,	2	7
48	Hamamelideae,	1	1
49	Hydrocharideae,	2	2
50	Hydropeltideae,	1	1
51	Hydrophylleae,	1	2
52	Hypericineae,	1	9
53	Hypoxideae,	1	1
54	Ilicineae,	2	5
55	Illecebreae,	1	1
56	Irideae,	2	3
57	Juglandeae,	2	5
58	Juncagineae,	2	2
59	Junceae,	2	13
60	Labiatae,	22	36
61	Laurineae,	1	2
62	Leguminoseae,	17	43
63	Lentibulariae,	1	7
64	Liliaceae,	2	4
65	Lineae,	1	1
66	Lobeliaceae,	1	7
67	Loaseae,	1	1
68	Magnoliaceae,	2	2
69	Malvaceae,	4	5
70	Melastomaceae,	1	1
71	Melanthacee,	2	2
72	Menispermaceae,	1	1
73	Myriceae,	2	3
74	Nymphæaceae,	2	3
75	Oleaceae	2	4
76	Onagrariae,	3	11
77	Orchideae,	15	32
78	Orobancheae,	2	3
79	Oxalideae,	1	3
80	Papaveraceae,	2	2
81	Phytolacceae,	1	1
82	Pistiaceae,	1	3
83	Plantagineae,	1	3
84	Plataneae,	1	1
85	Plumbagineae,	1	1
86	Podophylleae,	1	1
87	Podostomeae,	1	1
98	Polygaleae,	1	5
99	Polygoneae,	2	24
90	Pomaceae,	2	5
91	Pontederiae,	2	3
92	Portulaceae,	2	2
93	Primulacea,	6	10
94	Pyrolaceaee,	2	9
95	Ranunculaceae,	10	28
96	Restiaceae,	1	2
97	Rhamneae,	2	3
98	Rhinanthaceae,	4	5

	Orders.	*No. Gen.*	*No. Spe.*
99	Rosaceae,	10	36
100	Salicariae,	3	5
101	Salicineae,	2	22
102	Sanguisorbeae,	1	1
103	Santalaceae,	2	3
104	Sarraceniae,	1	1
105	Saxifrageae,	5	7
106	Scleranthеae,	1	1
107	Scrophularineae,	11	28
108	Smilaceae,	6	20
109	Solaneae,	6	9
110	Staphylaceae,	1	1
111	Stellatae,	1	11
112	Thymeleae,	1	1
113	Tiliaceae,	1	2
114	Typhaceae,	2	5
115	Ulmaceae,	2	3
116	Umbelliferae,	16	21
117	Urticeae,	4	8
118	Vaccineae,	2	11
119	Verbenaceae,	2	4
120	Violaceae,	1	17
121	Vites,	2	4
122	Xanthoxyleae,	1	1
123	Xyrideae.	1	1
	Whole No.	454	1246

FLOWERLESS PLANTS.

	Orders.	*No. of Genera.*	*No. of Species.*
1	Algae,	8	10
2	Characeae,	1	3
3	Equisetaceae,	1	6
4	Filices,	16	42
5	Fungi,	49	176
6	Hepaticae,	5	24
7	Lichenes,	28	110
8	Lycopodiaceae,	1	9
9	Musci,	31	110
	Whole No.	140	491

ADDENDA.

Since the preceding Catalogues were printed, an addition to the list of Birds has been received. It formed a part of a Report to the Boston Natural History Society, by C. C. Emerson Esq.

LAND BIRDS.

Muscicapa acadica, Gmel. *Small Pewee.* One of the most common summer birds, arriving from the South about the last week in April, and leaving us about the beginning of September.

Sylvia discolor, Vieill. *Prairie Warbler.* Rare in the Atlantic States: comes in May, and returns to the West Indies about the middle of September,

Sylvia Philadelphia, Wils. *Mourning Warbler.* Seen in Botanic Garden, Cambridge, by Mr. Nuttall, May 20th, 1831.

Regulus calendulus, Stephens. Bon. *Ruby-crowned Wren.* Never observed in Massachusetts in the Spring; but in October and November frequents gardens and orchards on its way to the South.

Fringilla Georgiana, Lath. *Swamp Sparrow.* Arrives in New England from the Southern States, about the middle of April.

WATER BIRDS.

Totanus Bartramius, Temm. *Bartram's Tatler.* Breeds in Massachusetts. Very common from July to August. Goes South in September,

Lestris Richardsonii, Swain. *Richardson's Jager.* Seen in the winter in the inland bays in Boston Harbor.

Anas obscura, Gmel. *Dusky Duck.* Met with from Labrador to Florida.

Fuligula fusca, Bon. *Velvet Duck.* Arrives in this vicinity from the North about the close of September.

Fuligula rubida, Bon. *Ruddy Duck.* Visits Massachusetts in October, and in the winter goes farther South.

Fuligula ferina, Stephens. *Red-headed Duck.* Appears within the limits of the United States towards the close of October: is often seen after northeast storms on the feeding bars in Massachusetts Bay.

Fuligula rufitorques, Bon. *Ring-necked Duck.* Frequent in our lakes, estuaries and rivers, at the commencement of winter.

Phalacrocorax carbo, Dumont. *Cormorant.* Found on bare rocky island in the vicinity of Boston.

GENERAL SUMMARY

Of the Number of Animals and Plants.

	No. of Genera.	*No. of Species.*
I. Mammalia,	26	45
II. Birds,	70	157
III. Reptiles,	7	34
IV. Fishes,	57	108
V. Shells,	76	169
IV. Crustacea,	26	38
VII. Spiders,	21	125
VIII. Insects,	501	2350
IX. Radiata,	18	27
Total of Animals.	802	3153
X. Plants, (Flowering.)	454	1246
——— (Flowerless.)	140	491
Total of Plants.	594	1737

INDEX

TO THE

CLASSES, ORDERS AND

GENERA OF ANIMALS AND PLANTS IN THE CATALOGUES.

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